

1 CCGCGCCGCC GTTTGGGCCG GWAGCGATG TAGTAGCTGC CAGGCTGTCC
 51 CCCGCCCTGC CCGGCCCGAG CCCC CGCGGCC ACCGCCGCCA
 101 TGAAGAAGCA GTTCAACCGC ATGAAGCAGC TGGCTAACCA GACCGTGGGC
 151 AGAGCTGAGA AAACAGAAGT CCTTAGTGAA GATCTATTAC AGATTGAGAG
 201 ACGCCTGGAG ACGGTGCGGT CAATATGCCA CCATTCCCAT AAGCGCTTGG
 251 TGGCATGTTT CCAAGGCCAG CATGGCACCG ATGCCGAGAG GAGACACAAA
 301 AAACCTGCCTC TGACAGCTCT TGCTCAAAAT ATGCAAGAAG CATCGACTCA
 351 GCTGGAAGAC TCTCTCCTGG GGAAGATGCT GGAGACGTGT GGAGATGCTG
 401 AGAATCAGCT GGCTCTCGAG CTCTCCAGC ACGAAGTCTT TGTGAGAAG
 451 GAGATCGTGG ACCCTCTGTA CGGCATAGCT GAGGTGGAGA TTCCCAACAT
 501 CCAGAAGCAG AGGAAGCAGC TTGCAAGATT GGTGTTAGAC TGGGATTGAG
 551 TCAGAGCGAG CTGGAACCAA GCTCACAAT CCTCAGGAAC CAACTTTCAG
 601 GGGCTTCCAT GAAAAATAGA TACTCTAAAG GAAGAGATGG ATGAAGCTGG
 651 AAATAAAGTA GAACAGTGCA AGGATCAACT TGCAGCAGAC ATGTACAACT
 701 TTATGGCCAA AGAAGGGGAG TATGGCAAAT TCTTTGTTAC GTTATTAGAA
 751 GCCCAAGCAG ATTACCATAG AAAAGCATTA GCAGTCTTAG AAAAGACCCT
 801 CCCC GAAATG CGAGCCCATC AAGATAAGTG GCGGAAAAA CCAGCCTTTG
 851 GGACTCCCCT AGCAGAACAC CTGAAGAGGA GCGGGCGCGA GATTGCGCTG
 901 CCCATTGAAG CCTGTGTCAT GCTGCTTCTG GAGACAGGCA TGAAGGAGGA
 951 GGGCCTTTTC CGAATTGGGG CTGGGGCCTC CAAGTTAAAG AAGCTGAAAG
 1001 CTGCTTTGGA CTGTTCTACT TCTCACCTGG ATGAGTTCTA TTCAGACCCC
 1051 CATGCTGTAG CAGGTGCTTT AAAATCCTAT TTACGGGAAT TGCTGAACC
 1101 TTTGATGACT TTAAATCTGT ATGAAGAATG GACACAAGTT GCAAGTGTGC
 1151 AGGATCAAGA CAAAAA ACTT CAAGACTTGT GGAGAACATG TCAGAAGTTG
 1201 CCACCACAAA ATTTTGTAA CTTTAGATAT TTGATCAAGT TCCTTGCAAA
 1251 GCTTGCTCAG ACCAGCGATG TGAATAAAAT GACTCCAGC AACATTGCGA
 1301 TTGTGTTAGG CCCTAACTTG TTATGGGCCA GAAATGAAGG GACACTTGCT
 1351 GAAATGGCAG CAGCCACATC CGTCCATGTG GTTGCAAGTGA TTGAACCCAT
 1401 CATTGAGCAT GCCGACTGGT TCTTCCCTGA AGAGGTGGAA TTTAATGTAT
 1451 CAGAAGCATT TGTACCTCTC ACCACCCCGA GTTCTAATCA CTCATTCCAC
 1501 ACTGGAAACG ACTCTGACTC GGGGACCCTG GAGAGGAAGC GGCCTGCTAG
 1551 CATGGCGGTG ATGGAAGGAG ACTTGGTGAA GAAGGAAAGT CCTCCCAAAC
 1601 CGAAGGACCC TGTATCTGCA GCTGTGCCAG CACCAGGGAG AAACAACAGT
 1651 CAGATAGCAT CTGGCCAAAA TCAGCCCCAG GCAGCTGCTG GCTCCCACCA
 1701 GCTCTCCATG GGCCAACCTC ACAATGCTGC AGGGCCAGC CCGCATACAC
 1751 TGCGCCGAGC TGTTAAAAA CCCGCTCCAG CACCCCGGAA ACCGGGCAAC
 1801 CCACCTCCTG GCCACCCCGG GGGCCAGAGT TCTTCAGGAA CATCTCAGCA
 1851 TCCACCCAGT CTGTACCAA AGCCACCCAC CCGAAGCCCC TCTCCTCCCA
 1901 CCCAGCACAC GGCCAGCCT CCAGGCCAGC CCTCCGCCCT CTCCCAGCTC
 1951 TCAGCACCCC GGAGGTACTC CAGCAGCTTG TCTCCAATCC AAGCTCCCAA
 2001 TCACCACCCG CCGCAGCCCC CTACGCAGGC CACGCCACTG ATGCACACCA
 2051 AACCCAATAG CCAAGGCCCT CCCAACCCCA TGGCATTGCC CAGTGAGCAT
 2101 GGACTTGAGC AGCCATCTCA CACCCCTCCC CAGACTCCAA CGCCCCCAG
 2151 TACTCCGCCC CTAGGAAAAC AGAACCCAG TCTGCCAGCT CCTCAGACCC
 2201 TGGCAGGGGG TAACCTGAA ACTGCACAGC CACATGCTGG AACCTTACCG
 2251 AGACCGAGAC CAGTACCAA GCCAAGGAAC CGGCCAGCG TGCCCCCACC
 2301 CCCCCAACCT CCTGGTGTCC ACTCAGCTGG GGACAGCAGC CTCACCAACA
 2351 CAGCACCAAC AGCTTCCAAG ATAGTAACAG ACTCCAATTC CAGGGTTTCA
 2401 GAACCGCATC GCAGCATCTT TCCTGAAATG CACTCAGACT CAGCCAGCAA
 2451 AGACGTGCCT GGCCGCATCC TGCTGGATAT AGACAATGAT ACCGAGAGCA
 2501 CTGCCCTGTG AAGAAAGCCC TTTCCAGCC CTCCACCACT TCCACCCTGG
 2551 CGAGTGGAGC AGGGGCAGGC GAACCTCTTT CTTTGCAGAC CGAACAGTGA
 2601 AAAGCTTTCA GTGGAGGACA AAGGAGGGCC TCACTGTGCG GGACCTGGCC
 2651 TTCTGCACGG CCCAAGGAGA ACCTGGAGGC CACCACTAAA GCTGAATGAC
 2701 CTGTGCTTGT AAGAAGTTGG CTTTCTTTAC ATGGGAAGGA AATCATGCCA
 2751 AAAAAATCCA AAACAAAGAA GTACCTGGAG TGGAGAGAGT ATTCTGCTG
 2801 AAACGCCGAT AGGAAGCTTT GTCCCTGCT GTTAATGCGG GCAGCACCTA
 2851 CAGCAACTTG GAATGAGTAA GAAGCAGTGC GTTAATATC TATTTAATAA
 2901 AATGCGCTCA TTATGCAAGT CGCCTACTCT CTGCTACCTG GACGTTTATT
 2951 CTTATGTATT AGGAGGGAGG CTGCGCTCCT TCAGACTTGC TGCAGAATCA
 3001 TTTTGTATCA TGTATGGTCT GTGTCTCCCC AGTCCCCTCA GAACCATGCC
 3051 CATGGATGGT GACTGCTGGC TCTGTACCT CATCAAATG GATGTGACCC
 3101 ATGCCGCCTC GTTGGAATGT CGGAATGTAG ACAGAAATGT ACTGTTCTTT

FIGURE 1, page 1 of 2

3151 TTTT TTTT TTTT TAAACAATGT AATTGCTACT TGATAAGGAC CGAACATTAT
 3201 TCTAGTTTCA TGTTTAATTT GAATTAAATA TATTCTGTGG TTTATATG

FEATURES:

5'UTR: 1-99
 Start Codon: 100
 Stop Codon: 2509
 3'UTR: 2512

Homologous proteins:

Top 10 BLAST Hits

	Score	E
CRA 147000022595308 /altid=gi 10435148 /def=dbj BAB14506.1 (AK...	1500	0.0
CRA 335001098671246 /altid=gi 11560044 /def=ref NP_071580.1 na...	1331	0.0
CRA 18000005158484 /altid=gi 7662242 /def=ref NP_055674.1 KIAA...	645	0.0
CRA 335001098684832 /altid=gi 11425473 /def=ref XP_008288.1 KI...	645	0.0
CRA 335001098688185 /altid=gi 11431577 /def=ref XP_007992.1 hy...	452	e-126
CRA 335001098646266 /altid=gi 11545733 /def=ref NP_061830.1 SH...	421	e-116
CRA 18000004990129 /altid=gi 6677931 /def=ref NP_033190.1 SH3-...	390	e-107
CRA 89000000202138 /altid=gi 7300563 /def=gb AAF55715.1 (AE003...	264	3e-69
CRA 66000019404309 /altid=gi 8922344 /def=ref NP_060524.1 homo...	251	2e-65
CRA 18000005246399 /altid=gi 7512523 /def=pir T12533 hypotheti...	190	4e-47

EST:

gi 10993873 /dataset=dbest /taxon=96...	1524	0.0
gi 11003732 /dataset=dbest /taxon=96...	1495	0.0
gi 12040806 /dataset=dbest /taxon=96...	1170	0.0
gi 10948137 /dataset=dbest /taxon=96...	1049	0.0
gi 11303345 /dataset=dbest /taxon=96...	1043	0.0
gi 7933255 /dataset=dbest /taxon=960...	918	0.0
gi 10332226 /dataset=dbest /taxon=96...	912	0.0
gi 11643637 /dataset=dbest /taxon=96...	906	0.0
gi 10348166 /dataset=dbest /taxon=960...	664	0.0
gi 4753575 /dataset=dbest /taxon=9606 ...	609	e-171

EXPRESSION INFORMATION FOR MODULATORY USE:

library source:

Expression information from BLAST dbEST hits:

gi 10993873	Neuronal teratocarcinoma
gi 11003732	Umbilical vein endothelial cell
gi 12040806	Iris
gi 10948137	Teratocarcinoma
gi 11303345	Breast
gi 7933255	Leiomyos
gi 10332226	Uterus
gi 11643637	Kidney renal carcinoma (ascites)
gi 10348166	Uterus leiomyosarcoma
gi 4753575	Human fetal heart

Expression information from PCR-based tissue screening panels:

Human leukocytes

```

1 MKKQFNRMKQ LANQTVGRAE KTEVLSEDLL QIERRLDTVR SICHHSHKRL
51 VACFQGQHGT DAERRHKKLP LTALAQNMQE ASTQLEDSSL GKMLETCGDA
101 ENQLALELSQ HEVFVEKEIV DPLYGIAEVE IPNIQKQRKQ LARLVLDWDS
151 VRARWNQAHK SSGTNFQGLP SKIDTLKEEM DEAGNKVEQC KDQLAADMYN
201 FMAKEGEYK FVVTLLLEAQA DYHRKALAVL EKTLPEDRAH QDKWAEKPAF
251 GTPLAEHLKR SGREIALPIE ACVMLLLETG MKEEGLFRIG AGASKLKKLK
301 AALDCSTSHL DEFYSDPHAV AGALKSYLRE LPEPLMTFNL YEEWTQVASV
351 QDQDKKLQDL WRTCQKLPPQ NEVNFRYLIK FLAKLAQTSN VNKMTSPSNIA
401 IVLGPNNLLWA RNEGTLAEMA AATSVHVAV IEPIIQHADW FFPEEVEFNV
451 SEAFVPLTTP SSNHSFHTGN DSDSGTLERK RPASMAVMEG DLVKKESPPK
501 PKDPVSAAVP APGRNNSQIA SGQNQPQAAA GSHQLSMGQP HNAAGPSPHT
551 LRRAVKKPAP APPKPGNPPP GHPGGQSSSG TSQHPPSLSP KPPTSPSPSP
601 TQHTGQPPGQ PSAPSQLSAP RRYSSSLSPI QAPNHPPPPQ PTQATPLMHT
651 KPNSQGPPNP MALPSEHGLE QPSHTPPQTP TPPSTPPLGK QNPSLPAPQT
701 LAGGNPETAQ PHAGTLRPRP PVPKPRNRPS VPPPPQPPGV HSAGDSSLTN
751 TAPTASKIVT DSNSRVSEPH RSIFPEMHSD SASKDVPGR ILLDIDNDTES
801 TAL

```

FEATURES:

Functional domains and key regions:

[1] PDOC00001 PS00001 ASN_GLYCOSYLATION
N-glycosylation site

Number of matches: 6

```

1      13-16 NQTV
2     449-452 NVSE
3     463-466 NHSF
4     470-473 NDSD
5     515-518 NNSQ
6     796-799 NDTE

```

[2] PDOC00004 PS00004 CAMP_PHOSPHO_SITE
cAMP- and cGMP-dependent protein kinase phosphorylation site

Number of matches: 2

```

1     494-497 KKEs
2     621-624 RRYs

```

[3] PDOC00005 PS00005 PKC_PHOSPHO_SITE
Protein kinase C phosphorylation site

Number of matches: 7

```

1      38-40 TVR
2      46-48 SHK
3     150-152 SVR
4     175-177 TLK
5     261-263 SGR
6     550-552 TLR
7     589-591 SPK

```

[4] PDOC00006 PS00006 CK2_PHOSPHO_SITE
Casein kinase II phosphorylation site

Number of matches: 14

1	60-63	TDAE
2	83-86	TQLE
3	96-99	TCGD
4	109-112	SQHE
5	171-174	SKID
6	175-178	TLKE
7	214-217	TLLE
8	233-236	TLPE
9	261-264	SGRE
10	308-311	SHLD
11	349-352	SVQD
12	415-418	TLAE
13	468-471	TGND
14	742-745	SAGD

[5] PDOC00007 PS00007 TYR_PHOSPHO_SITE
Tyrosine kinase phosphorylation site

117-124 KEIVDPLY

[6] PDOC00008 PS00008 MYRISTYL
N-myristoylation site

Number of matches: 10

1	56-61	GQHGTD
2	251-256	GTPLAE
3	290-295	GAGASK
4	322-327	GALKSY
5	538-543	GQPHNA
6	574-579	GGQSSS
7	575-580	GQSSSG
8	605-610	GQPPGQ
9	704-709	GNPETA
10	739-744	GVHSAG

[7] PDOC00161 PS00178 AA_TRNA_LIGASE_I
Aminoacyl-transfer RNA synthetases class-I signature

706-716 PETAQPHAGTL

Membrane spanning structure and domains:

Helix	Begin	End	Score	Certainty
1	415	435	0.842	Putative

BLAST Alignment to Top Hit:

>CRA|147000022595308 /altid=gi|10435148 /def=dbj|BAB14506.1|
(AK023281) unnamed protein product [Homo sapiens]
/org=Homo sapiens /taxon=9606 /dataset=nraa /length=726
Length = 726

Score = 1500 bits (3840), Expect = 0.0

Identities = 726/726 (100%), Positives = 726/726 (100%)

Query: 78 MQEASTQLEDSSLGKMLETCGDAENQLALELSQHEVFVEKEIVDPLYGIAEVEIPNIQKQ 137
MQEASTQLEDSSLGKMLETCGDAENQLALELSQHEVFVEKEIVDPLYGIAEVEIPNIQKQ
Sbjct: 1 MQEASTQLEDSSLGKMLETCGDAENQLALELSQHEVFVEKEIVDPLYGIAEVEIPNIQKQ 60

Query: 138 RKQLARLVLDWDSVRARWNQAHKSSGTNFQGLPSKIDTLKEEMDEAGNKVEQCKDQLAAD 197
RKQLARLVLDWDSVRARWNQAHKSSGTNFQGLPSKIDTLKEEMDEAGNKVEQCKDQLAAD
Sbjct: 61 RKQLARLVLDWDSVRARWNQAHKSSGTNFQGLPSKIDTLKEEMDEAGNKVEQCKDQLAAD 120

Query: 198 MYNFMAGEGEYGKFFVTLLLEAQADYHRKALAVLEKTLPEMRAHQDKWAEKPAFGTPLAEH 257
MYNFMAGEGEYGKFFVTLLLEAQADYHRKALAVLEKTLPEMRAHQDKWAEKPAFGTPLAEH
Sbjct: 121 MYNFMAGEGEYGKFFVTLLLEAQADYHRKALAVLEKTLPEMRAHQDKWAEKPAFGTPLAEH 180

Query: 258 LKRSGREIALPIEACVMLLLETGMKEEGLFRIGAGASKLKKLKAALDCSTSHLDEFYSDP 317
LKRSGREIALPIEACVMLLLETGMKEEGLFRIGAGASKLKKLKAALDCSTSHLDEFYSDP
Sbjct: 181 LKRSGREIALPIEACVMLLLETGMKEEGLFRIGAGASKLKKLKAALDCSTSHLDEFYSDP 240

Query: 318 HAVAGALKSYLRELPEPLMTFNLYEEWTVQVASVQDQDKKLQDLWRTCQKLPPQNFVNFRY 377
HAVAGALKSYLRELPEPLMTFNLYEEWTVQVASVQDQDKKLQDLWRTCQKLPPQNFVNFRY
Sbjct: 241 HAVAGALKSYLRELPEPLMTFNLYEEWTVQVASVQDQDKKLQDLWRTCQKLPPQNFVNFRY 300

Query: 378 LIKFLAKLAQTSVDNKMTPSNIAIVLGNLLWARNEGTLAEMAAATSVHVAVIEPIIQH 437
LIKFLAKLAQTSVDNKMTPSNIAIVLGNLLWARNEGTLAEMAAATSVHVAVIEPIIQH
Sbjct: 301 LIKFLAKLAQTSVDNKMTPSNIAIVLGNLLWARNEGTLAEMAAATSVHVAVIEPIIQH 360

Query: 438 ADWFFPEEVEFNVSEAFVPLTTPSSNHSFHTGNDSDSGTLEKRPASMAVMEGDLVKKES 497
ADWFFPEEVEFNVSEAFVPLTTPSSNHSFHTGNDSDSGTLEKRPASMAVMEGDLVKKES
Sbjct: 361 ADWFFPEEVEFNVSEAFVPLTTPSSNHSFHTGNDSDSGTLEKRPASMAVMEGDLVKKES 420

Query: 498 PPKPKDPVSAAVPAPGRNNSQIASGQNPQAAAGSHQLSMGQPHNAAGPSPHTLRRAVKK 557
PPKPKDPVSAAVPAPGRNNSQIASGQNPQAAAGSHQLSMGQPHNAAGPSPHTLRRAVKK
Sbjct: 421 PPKPKDPVSAAVPAPGRNNSQIASGQNPQAAAGSHQLSMGQPHNAAGPSPHTLRRAVKK 480

Query: 558 PAPAPPKPGNPPPGHPGGQSSSGTSQHPPSLSPKPPTRSPSPPTQHTGQPPGQPSAPSQ 617
PAPAPPKPGNPPPGHPGGQSSSGTSQHPPSLSPKPPTRSPSPPTQHTGQPPGQPSAPSQ
Sbjct: 481 PAPAPPKPGNPPPGHPGGQSSSGTSQHPPSLSPKPPTRSPSPPTQHTGQPPGQPSAPSQ 540

Query: 618 SAPRRYSSSLSPIQAPNHPPFPPTQATPLMHTKPNSQGPPNPMALPSEHGLEQPSHTPP 677
SAPRRYSSSLSPIQAPNHPPFPPTQATPLMHTKPNSQGPPNPMALPSEHGLEQPSHTPP
Sbjct: 541 SAPRRYSSSLSPIQAPNHPPFPPTQATPLMHTKPNSQGPPNPMALPSEHGLEQPSHTPP 600

Query: 678 QTPTPPSTPPLGKQNPSPAPQTLAGGNPETAQPHAGTLRPRPVKPRNRPSVPPPPQ 737
QTPTPPSTPPLGKQNPSPAPQTLAGGNPETAQPHAGTLRPRPVKPRNRPSVPPPPQ
Sbjct: 601 QTPTPPSTPPLGKQNPSPAPQTLAGGNPETAQPHAGTLRPRPVKPRNRPSVPPPPQ 660

Query: 738 PGVHSAGDSSLTNTAPTASKIVTDSNSRVSEPHRSIFPEMHSDSASKDVPGRILLDIDND 797
PGVHSAGDSSLTNTAPTASKIVTDSNSRVSEPHRSIFPEMHSDSASKDVPGRILLDIDND
Sbjct: 661 PGVHSAGDSSLTNTAPTASKIVTDSNSRVSEPHRSIFPEMHSDSASKDVPGRILLDIDND 720

Query: 798 TESTAL 803
TESTAL
Sbjct: 721 TESTAL 726

>CRA|335001098671246 /altid=gi|11560044 /def=ref|NP_071580.1|

nadrin; neuron-specific GTPase activating protein
 [Rattus norvegicus] /org=Rattus norvegicus /taxon=10116
 /dataset=nraa /length=780
 Length = 780

Score = 1331 bits (3406), Expect = 0.0
 Identities = 676/816 (82%), Positives = 697/816 (84%), Gaps = 49/816 (6%)

```

Query: 1  MKKQFNRMKQLANQTVGRAEKTEVLSEDLLQIERRLDTVRSICHSHKRLVACFQGQHGHT 60
          MKKQFNRMKQLANQTVGRAEKTEVLSEDLLQIERRLDTVRS+CHSHKRL+ACFQGQHGHT
Sbjct: 1  MKKQFNRMKQLANQTVGRAEKTEVLSEDLLQIERRLDTVRSMCHSHKRLIACFQGQHGHT 60

Query: 61  DAERRHKKLPLTALAQNMQEASTQLEDSSLGKMLETCGDAENQLALELSQHEVFVEKEIV 120
          DAERRHKKLPLTALAQNMQEAS QLE+SLLGKMLETCGDAENQLA ELSQHEVFVEKEI+
Sbjct: 61  DAERRHKKLPLTALAQNMQEASAQLEESLLGKMLETCGDAENQLAFELSQHEVFVEKEIM 120

Query: 121 DPLYGIAEVEIPNIQKQRKQLARLVLWDWSDVRARWNQAHKSSGTNFQGLPSKIDTLKEEM 180
          DPLYGIAEVEIPNIQKQRKQLARLVLWDWSDVRARWNQAHKSSGTNFQGLPSKIDTLKEEM
Sbjct: 121 DPLYGIAEVEIPNIQKQRKQLARLVLWDWSDVRARWNQAHKSSGTNFQGLPSKIDTLKEEM 180

Query: 181 DEAGNKVEQCKDQLAADMYNFMAKEGEYGKFFVTLLAQADYHRKALAVLEKTLPEMRAH 240
          DEAGNKVEQCKDQLAADMYNFMAKEGEYGKFFVTLLAQADYHRKALAVLEK LPEMRAH
Sbjct: 181 DEAGNKVEQCKDQLAADMYNFMAKEGEYGKFFVTLLAQADYHRKALAVLEKALPEMRAH 240

Query: 241 QDKWAEKPAFGTPLAEHLKRSGREIALPIEACVMLLLETGMKEEGLFRIGAGASKLKKLK 300
          QDKWAEKPAFGTPL EHLKRSGREIALPIEACVMLLLETGMKEEGLFRIGAGASKLKKLK
Sbjct: 241 QDKWAEKPAFGTPLEEHLKRSGREIALPIEACVMLLLETGMKEEGLFRIGAGASKLKKLK 300

Query: 301 AALDCSTSHLDEFYSDPHAVAGALKSYLRELPEPLMTFNLVEEWTQVASVQDQDKKLQDL 360
          AALDCSTSHLDEFYSDPHAVAGALKSYLRELPEPLMTF+LYEEWTQVASVQDQDKKLQ L
Sbjct: 301 AALDCSTSHLDEFYSDPHAVAGALKSYLRELPEPLMTFSLYEEWTQVASVQDQDKKLQYL 360

Query: 361 WRTCQKLPPQNFVNFRYLIKFLAKLAQTSVDNKMTPSNIAIVLGPNNLLWARNEGTLAEMA 420
          W TCQKLPPQNFVNFRYLIKFLAKLAQTSVDNKMTPSNIAIVLGPNNLLWA+ EGTLAE+A
Sbjct: 361 WTTTCQKLPPQNFVNFRYLIKFLAKLAQTSVDNKMTPSNIAIVLGPNNLLWAKQEGTLAEIA 420

Query: 421 AATSVHVAVIEPIIQHADWFFPEEVEFNVSEAFVPLTTPSSNHSFHTGNDSDSGTLERK 480
          AATSVHVAVIEPIIQHADWFFP EEEFNVSEAFVPL TP+SNHS HTGNDSDSGTLERK
Sbjct: 421 AATSVHVAVIEPIIQHADWFFPGEVEFNVSEAFVPLATPNSNHSHTGNDSDSGTLERK 480

Query: 481 RPASMAVMEGDLVKKESPPKPKDPVSAAPVAPGRNNSQIASGQNQPQAAAGSHQLSMGQP 540
          RPASMAVMEGDLVKKESPPKPKD VSAA P GRN++QI + NQ Q SHQLS+G
Sbjct: 481 RPASMAVMEGDLVKKESPPKPKDSVSAAPVAGRNSNQITTPNQATGGNSHQLSVGTA 540

Query: 541 HNAAGPSPHTLRRRAVKKPAPAPPKPGNPPPGHPGGQSSSGTSQHPPSLSPKPPTRSPSP 600
          H+AAGPSPHTLRRRAVKKPAPAPPKPGNPPPGHPGGQSS GT SPKP TRSPSP
Sbjct: 541 HSAAGPSPHTLRRRAVKKPAPAPPKPGNPPPGHPGGQSSPGT-----GTSPKPSTRSPSP 595

Query: 601 -----TQHTGQPPGQPSAPSQLSAPRRYSSSLSPIQAPNHPPPQPPTQATPL 647
          Q Q Q Q RR SSSL PIQAPNHPPPQPPTQ
Sbjct: 596 QQQQQQQQQQQQQQQQQQQQQQQQQQQQTPGMRRCSSSLPPIQAPNHPPPQPPTQ---- 651

Query: 648 MHTKPNSQGPPNPMALPSEHGLEQPSHTPPQTPTPPSTPPLGKQNPSPAPQTLAGGNPE 707
          + QGP +P TPPQTPTPPSTPP KQN S E
Sbjct: 652 --PRLGEQGP-----EPGPTPPQTPTPPSTPPPAKQNSS-----QSE 686

Query: 708 TAQPHAGTLPRPRPVKPRNRPSVPPPPQPPGVHSAGDSSLTNTAPTASKIVTDSNSRVS 767
          T Q H GTLPRPRPVKPRNRPSVPPPP PPG H GD LT + PTAS+IVTD+NSRVS
Sbjct: 687 TTQLH-GTLPRPRPVKPRNRPSVPPPPNPPGTH-MGDGGLTPSVPTASRIVTDTNSRVS 744

Query: 768 EPHRSIFPEMHSDSASKDVPGRILLDIDNDTESTAL 803
          E R+IFPE+HSD ASK+VPG ILLDIDNDTESTAL
Sbjct: 745 ESLRNIFPEIHSDLASKEVPGHILLDIDNDTESTAL 780

```

Hmmer search results (Pfam):

Model	Description	Score	E-value	N
PF00620	RhoGAP domain	191.2	1.6e-53	1

Parsed for domains:

Model	Domain	seq-f	seq-t	hmm-f	hmm-t	score	E-value
PF00620	1/1	266	415 ..	1	170 []	191.2	1.6e-53

1 CTCGTGGCTG AGTTTAATTA CACACTCTTG CTCTAGCTGT AAGGCAGAGC
51 TCTCCAGGTT AGCTTCAGTG GACAATCTTT TCATGGTTTT CTCAGAGTTG
101 TTTCTTCCAA TAGCCTCTTT TCAGCTAGGG GTCTCACTCT GTCACCCAGA
151 CAAGAGTGCA ATGGTGTGAT AATAGCTCAC TGCAGCCTCA AATTCCTGGG
201 CTCAAATGAT CCTGTTGCCT CAGCCTTCA ACTAGTTGGG AGTACAGGTG
251 CATGCCACTG CTTCTGGCCT TTTTTTTTTT TTTAAATTTT TCATAGAGAT
301 GAGGTTTTAG TATGTTGTCC AGGCTAGTCT CATACTCCTG AGCTCAAGTG
351 ATCTTCCCAT CTTGACCTCC CAAAGTGCTA GGATTACAGG TGTGAGCCAC
401 TGCACCTGGC CCCAGAAGAT AATTTTTTAT TTGTCTTTTA CTCTATGTTT
451 AAATTCCTCA ATTTTTTGCT AGACTCTACT TTTTCAATTT GTAGAGCTTG
501 CATGAATAGT GTTTTCCTTC TCTTGAAGTT TAGAGAGATC ATGTACTGTA
551 ATTCCTGAGT CACCTTGCTG TAACAAATTT TCCAGTTCTT CAATCTTTTC
601 TTCTTAATTG CTTAGATTTT CTTGATGCTT ACAACTTATT TCCCTCAATT
651 TCTGTTGATG AACATTCTGT AATACTGATA ATTCAAGCTG ATGGTCATCA
701 GTATCCTGAC TTCTTTTTTG TTTGAGCTCC TTGATGATAT TAATATTTGG
751 TGTTTGTAGT TTGTAGATTT CATTTTCATC AAAACTAGTT GTTCCTCCTA
801 TTTTATAAGT CTGAGCAATA CATTTCCAAT GGCCAACTGG AGACTCAAGT
851 TTTAGAACTT CATTGGACTA TCTGTTTATT TCTTGTATG ATGAAATTAT
901 GTCATAAAAA CGTCGTGGA CACTGAAGCA TGATGGGTAC
951 CACATGGAAT GGAGGGGATG CAGTGTGGAT GGGAACTCC GGCTTCCCT
1001 GAATGTGCTG ACTCCAGGGC TGGCTGCCGG TCCTGCAACC GATCCTGTAG
1051 TGCTTGCTTT CTTGTTTTAG GAAGGCTCAT TTCTACCTCT TTCTGTTGTA
1101 ATTGATGTCG ATAACTTTTA GTTTGCTGCC CTATCTGAAG CTCTGATGCT
1151 TCCTAGGTCT CTCCTAGGTC ACTAAAAAGA TCTTGAAGTC CCTCATTCTT
1201 TGATATTAAG AATTCCAAAC TGGCATCAGT CTCCTTTATC CCATAGTTAG
1251 GGAGCTCTTT CCTTTTTCTA TGACATTAG GAGCACATTT GAGATGTGGC
1301 TGATGAAAGA AGCCACATTG CTGCCCATCC AATGCAAAGA AGGGGCTTAC
1351 CTGGAGCCAA GGCCACCAA CCAGGAAGAC ATGAGTGTGT GAGCACGTGT
1401 GTTAAGGAAA ACACACATTG ACTTTAATTT TTTTTTTTTT TTTTTTTTTT
1451 TCGAGACAGG GTCTCTCACT CTGTTGCCCA GGCTGGAGTG CAGTGGCGCC
1501 ATCTCGGCTC ACTGCAACCT CTGCCTTTCG GGTAAAAGCC GTTCTCCTGC
1551 TTCAGCCTCC TGAGTAGCTG GGATTACAGG CGTCCACCAC CACGCCCAGC
1601 TAAATTTGTA TTGTTAGTAG AGACAGGATT TCACCGTGTG GGCCAGGCTG
1651 CTCTCGAAGT CCCGAGCTCA AGTGATCTGC CCCCTCGGCC TCCCAAAGTG
1701 CTGAGATTAC AACGTTGAAC CACTGCGCCC TGCTAGAAAC AGCTTTTCAT
1751 ACGTTGAAAT AAACGAGAGG GTGACCGGGC AGCGTTGGGG TCGGGGAGGC
1801 CAGGCGGAGG AGGCCTAGGG TCTTCTCGCC CGGGGCCTTC TAGCTCTTCG
1851 CCCGTGTGAG GTAAGGCACT GTTAGCCTCG GCTCGGTTTC ACTCGGCTCT
1901 ACTCGGGCTC AGCTCGGCTC GGCCAGACCT AGAGGGCGGG CGGGCGGTGC
1951 CACTGGAAGT GACGAGGCGA GGGCGGGGCC GCCGGCCCGG GGAGCCACCG
2001 CCGCGCCGCC GTTTGGGCGG GGAAGCGATG TAGTAGCTGC CAGGCTGTCC
2051 CCCGCCCTGC CCGGCCCGAG CCCCGCGGGC CGCCGCCGCC ACCGCCGCCA
2101 TGAAGAAGCA GTTCAACCGC ATGAAGCAGC TGGCTAACCA GACCGTGGGC
2151 AGGCGAGTGC GCCGGGCAGC ACGGGGGTCG CACCGGGGCT GGGGGCGGAG
2201 GCGCGAGGGC GCGGGGCGG GACGGCTCCT CCGCGGTCCG GCGGCTCTGA
2251 GCTGGGCCGC AGCCCTGCC CGAGACCAGC GGGGCACGGG CCCGGGGGCT
2301 GCGCCGCGCT GAGGCCCGAG CGCCGCGCTC CAGGCGGCCC GCCTGTCTCT
2351 CAGCGCCGCC GGGCCCCCGA GACCTGCAGG GGAGGGCCGC CGCTCCTCC
2401 GCCACACCGC GGGGTCCCTT GCCCATGTCT CCTGCCCGG GAGCATCGCC
2451 CTCGGGGAGT AGACCCGGTC CTTCTCCTCC CTTCCCGGG GCGGAGCCAG
2501 CTGGGATCGC TGCCCTGGGC TCAACAACGG TGAATTCTGT CCCTAACGCT
2551 GTGCCGAGCG CTGTGCTGTG GGGGGCGGCA GTCCCAGGCT TTCCCGGTGC
2601 TCCCCTGTTT TGCGAGTCTT TCTCCTGTAA GTGCATGGCG GCAAGAAATG
2651 GCTAGAGGGA CATGAAAGCC AGCCGATTTT GCTCAGTGAG TTCAGAACGC
2701 CCTTTGAGGG AATTCGGAGG TGGTGCTGTC TCAAAACCAG GGCTCCTAGG
2751 AACTGGAGCT CTGCTGCCAG TTCTTGACAT TTAGAAATTA GGAATTGGCG
2801 GAAAAGGATT ATGAGACGC CTTGCGCCAA TTTAAAAAGT CTCACCTTAG
2851 GTTTGAAAC AAATGCTTCT TTATCTTCCT TTGCTACGGT TGAAGTGCTT
2901 AACAAGAAAC GTTATTGATT ATTAAATGGC AGGCTAGACC AGAGTTGGTA
2951 GATCAGGTTG TCAGAACAAG AAATGATTTG TGGTTTTTGA GAGTTTCTGG
3001 AGGTGACTGT CATGTGCTGT ATTATCTGGG GCTAATATTT CAAGGTCTTT
3051 CAGGGCAGCT GGCTGTACTG TACCGATTTA GTGTTTATTC AGCAAAGAGA
3101 TACGAAAGTA TGAATTTCTC ACAGCTCTTC TTTTGATTTT CTGTTTTTAA

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3151 CAGTTAAGGG GAGTTTGGTT TGGCTGAAGC ACGTGGGACA CTTCTTTTTT
3201 TTGAGTGTAT GAAAATACTT TTACTTCCTC TCGAGTTTTTCAAATTTTGCT
3251 TTTTACTGTT TCATTTCCCTC CATCTTTTTT CTTAGTTTTCC CTTGTTTAAAT
3301 TTTTTCGATT CCCTACCGTA TTATTGTGGT GAGAATTAAC TCTTATTTTC
3351 AGGGTTAATC GCTGCCCTTA AAGCCCAGAC AAACCTACTT TTCTGTTATT
3401 TGCAGGAAAA TTAAAGAAAT AATGCTGAGA GGAAGGTAGA CGTGTGGTAA
3451 TGGCGGCTGA TGTTTCAAGG AACAGTTTAC AAGCACATGA TAATTTCTTG
3501 TGAGTTTCGT ACCCTTGTTA GTGTTCTGAG CAACGTGCAT TGTGGAACATA
3551 GTATTTAGTA AGTGCCAAGA TACATTTGTC AAATAGTCGT TTGGCTTGTT
3601 TTTACATTGT TCGTGACAGG TAAGGGACTT TCACTCTTTT TATACAAAGT
3651 TCTGAGACTT AAATCTACCA AGCTATTTAG GGTCTCTTTG ACTCCTGGGT
3701 CATCTTAGAG GCTTCTCCCT TCACACTTTT TTTTCTTTT GAGACAGGGT
3751 CTCCCTTTGT CACCCAAGCT GGGGTGCAGT GGTGCGATCT TGTCTCATTG
3801 CAGCCTTGAC TTCCCTGGGC TCAAGCGACC CTCTCGCCTC AGCCACCTAT
3851 GTGGTTGGAA CTACAGGTGG GCACCACCAC ATCCGCTAAT TTTTGTATTT
3901 TTTGTAGAGT GGGGATTTGC CATGTTGCCT AGGGTGGTCT CGAACTCCTG
3951 GCCTCAACTG ATCTGCCTGC CTTGGCCTCC CAAAGTTCTG GGACTACAAG
4001 CGTGAGCCAC CTTGCCTGGC ACCTTCACAT TTTAAAATTC CGGCCATGCT
4051 TGCTTACCTT CAGTTTCCAC AGGAGGTCTT GCTTTCTTAC CTGCTAGCAT
4101 CTACTTGGA CTTCTGGAAG CCTCTCCAC CACACCTTTT CTCCAGGCAC
4151 CTCTTGCTCA TTCTTCAGCC TTCTGGGAAA GGTCCCTCTG CCTCTGAAAG
4201 GCCTTCTATG ATGCTACAGC ATAGATTGGA TGCCTCTCCT GGGCGTTCTT
4251 GTAATCCTGT GTAGCACTTG CTTTCTCTGTG CTGTGACTGC CTCTTGTGTG
4301 TGTCTCCAT CAGATAAATA CCTTGAGAGT CCTTGCTGTG TCTCCTTTGA
4351 TTTCCAGGGT CTGCTGTGGT TCCTACCCCA TGGCCAGGGT GCAGTAGACA
4401 TTGTTAATTC TGGTATTTGA GTTCTTACTA GATCGCCTTG GTGGTGTGGG
4451 CCCGAGTATG GGAAAACATG AAGTGGATAG AGTAGATGGT GATTCATGCT
4501 GGAGCTGTAA TTCTGGGCCT GACCTTTGAC TGTCTTTAAA AATCTTTATT
4551 GCTAGATGCC AGTGGAAGCT GAAGCTATTA CAGAACTATT AAGGGTGTGG
4601 CAATTATGCA CCCAAAGTCA GAACATCTGT TTTTAACTGG GAAACCTGTT
4651 GCTTCCTTGC TGTGTATTTC CTAGATGTGT GTGTGTATGT GTTTTCTGCT
4701 TAAGTAAGTA GAAAGACTA AGGAAGATAA ACGGAGGCTG GAGAGTGCCT
4751 AGAATTGTTA CTGCTTGGA GTAGGTGGTT GGTGGCCCC AGAATCAGGA
4801 TTCTGGGTGT TTTTAGGTCA AGATGAAGGC TACAAAGCAA AGGGTTTTTT
4851 TGTTCGCGC CCTGCGATCT AGGTGGAGAA GGAAGTTATA TATGTGAATG
4901 TCATGCCCCAT CGTGTTTTGG TTTATCAATT TGTGGAATTC TAGGTGGTGT
4951 CTTGCAGTGA GATATTCTCC TCAGAAGGGA GACCTTTGAG TACTTTCCT
5001 GTAAGGTTCC AGGGGAGGGA CTTGTAGAGA ATTAGTAATG CCTGGAAGGA
5051 ATGAGTTCGC ATGATGCAGT TTGTTTACGA TGGGTGGGTA AGTCTATTTG
5101 AGAAGACGGC CTGAAACTCA CAGGGGCAAG GCTTATGAGG TGGTCTCATG
5151 GTGTGAGTGT CCCAAAGAAG AGAAGTAGGA TGGTTCTTTT AGTCCACCTG
5201 CCTTTTGTG ATTCTATGCAT TCAACAGACA CTTGTTGAGC CTACACTGTG
5251 TCCTGTTATC CAGGGTATTA AAGAATCAAA GGTGAATACG GGCATGGTTT
5301 CTGCCCTGAG GGAGCTCAGG AGATACGTGG AAGAGGTAGG CAGGCAAAAA
5351 ATAATTATAT ACATGAGATA AGTGCTTAAG AGGGATGGCT AATGCACAGA
5401 GCAAAACCCA GCTGTCATTG GATTGAGGGA GGTAACAAAA GCTTCCAGGA
5451 GGAGAAAATC TGAGCACCTT TCTCTGCCTT CATTTTCAAG CCCTTATTTT
5501 AAATATCTCT TGTATTGATT AGGTCTCTTT TGGTTGTAAG AAAACCCAGT
5551 TCATAGCAAA GACGGGAATT GATTGGCTCA TAAGTGACCA AAAGAGCCTC
5601 TAATAAGTAG TGTGGCTGCA GATTGGCTT CTTCTGGGGG TTCCACTCTT
5651 TTTTTTTTTT TTTGAGACGG AGTCTGGCTC TGTACCCAG GTTGAGTGT
5701 AGTGGCGCGG CTCACTGCAG CCTCCACCTC CTAGGTTCAA GCAATTCTCC
5751 CGTCTCAGCC TCCCAAGTAG CTGGGACTAC AGGCCTGTAC CACCATGCCC
5801 GACTGATTTT TGTATTTTCA GTAAAGATGT GGTTTTGCCA TGTGCGCCAG
5851 GCTGGTCTCA AACTCCTGCC CTCAGATGAT CTGCCCACCT TGGCCTCCCA
5901 AAGTGCTGGG ATTACAGGCA TGAGCCACTG CGCCTGGCCT CGGTTCCACT
5951 CTTTAGGTAG GCACGTGTGC CACTGGGAGA CTTCCACATC TTCCAAGTCT
6001 CAGAGGGAAA GAATACTCAT CTCGCAGTCA CTGTGGCCCG AGTCCCAGGA
6051 TTGGCTCTGA ATGCTTCTGG GTCACATGCC TTTCCCCAGA AATGGACTGG
6101 AGTCAGCGCA CCCAAACCAT ATGGACTGAG AGTGGATGGT AATGGGTGGT
6151 AATCAGGCAA GAAATAAAGG TCATGGTGTG TCTTTTGTAG CCCTGCTAAA
6201 AAGAGAGATG TTTTGTCTTCT TGAAAACCTT TAGATGCAGA TCATCACCAA
6251 TGGTGTTTTT GGGGAGATGA TGTCTTGAGT AGAGGAAGGA GTACACTGGG

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6301 ATGAAGACCT TGAAGTTACA GAAGTATCAA GGAGAAAAAA AATTTGAGAG
6351 ACAACTAGGA GAGCATAGTA CCGAGGCTCT GATAGGGAGT GTCTCCTTGG
6401 GTGTTGATTT CTTCCTTGAC TGAAGTTTCC CTTGGAGGTC TGAATGCCTT
6451 CACAGATAGT TGTTTTTTGA GAACCAAGG TTGTAAACCC AAATGCCTAG
6501 AGGGCGAAGG CAGTAAAATG AATCAGTGCT TTGGGCCATG TGAAGGCCTC
6551 AGGGGACCTG GAGGACTGTG TCCCACCAAA GGGGCTGCTG TGGTAATGTA
6601 GGCCAGTGT GGACCACCTG TGGAGTTTTC CTGAAATCTG CATTTTAACT
6651 AGCTGGCGTT TAATCCAAAT TAAACTACGG GGACACTATA TGCAGCTGAA
6701 CAAAATATTT CTGTGGATCA CCCAACTGCT TGTCTAGAAG GACTCAGAAA
6751 TTGACAGTCC CTCTTTTTC TTTATTCCCC TGTACCTTAC CCTGATGTTT
6801 TCAGTTCTTT GGATTTGTG AAAACAGCT CATCCTTTCT TTTACTAAAAT
6851 CTTGAAAAGG TCTGATAGTA ACAGTCTATA ACATTTCTAT GGTGGTTTAG
6901 TTTACAAAGT GCTGTACTAA ACCACCTGGC TTGGATTTTC TCTCCTGACA
6951 ATGATAACTT CTCTCTGACA AAGATGGAAA CCTGGCTGGG TGGGGTGGGG
7001 TGGCTCACGC CTGTAATCCT GACACTTGA GAGCCCGAGG TAGGAGGATC
7051 ACTTGAACCC AGGAATTTCA GACCAGCTG AGCAACATGG TGAACCCCGG
7101 TCTTTACAAA AAATACAGAA AACTAGCCAG GAGTGGTGGT GTTTGCCTGT
7151 CTCAGCTGCT TGGGAGGCTG AGGTGGGAGG ATCAACTGAG CCTGGAAAGT
7201 CGAGGCTGCA GTGAGCTGAG ATCATGCCAC TGCACCTCCAG TCTGGGTGAC
7251 AGAGCAAGAC CCTGTCTCAA AAAAAAAG AAAAAAAGA GGAAGAAACC
7301 TGACTTTCTA AGTTTGCACA GTTACTGAGT AGTGGCTGAG GCATGGCTTG
7351 GGTCCAGGGC CTCTTCTGT GTTCCCAAG TGCTTTTGA TACAGGAAC
7401 GGGCTGCCTC TTCACCAGGG AAGGATTAGT GTTTATTAAT GTTTATTAAA
7451 CATCTTCTGT GCTTATGAAG CTGCTGGGCT TGGTGGCTTG CATACTTTTA
7501 TTTCAATGCA TTCTCATAGC CACCCTCTGA GGTGATGTTA CTTATTCTG
7551 ATTTAATGAT GAGGAAGCCA GAGATCAAAG AGGTCATCAA GCTCGCAAGA
7601 GACAGAGCCG TGGACCAAAA CCCAGGTTTC TGATTCTGCA GCAGCTATAA
7651 ATTCTGATCA CAGAGATCTA ATGACCTCTA GGAGTCTTCC ACTCCTAGGA
7701 GGTATGTAGA ATGGACCACT CACTAGGTAG TTGGATCCAC TACCAGCAAT
7751 GTGAATCTCT ACACTGAGTC AAAATGTGTC TCTACCTACT GATCCCAGAA
7801 CAGTCCCCCTG CTGCCGAATT GAATGAATCT CATCTCTCTT CCCTGAGTCA
7851 GCCCTGCCTG TATTGATGA TCACAAACCT TATCCTTACG TTGCCAGCAG
7901 TAACATTCTG CATCCCTCAC CCACTCCACT GTGTCCTTTT CCTCCCACTG
7951 ATCTTCACTC TACCTTTCTT TCCCCCACC CTTTTTTTTT TTTTTTTGAC
8001 GGAGTCTCGC TCTGCCGCCC AGACTGGAGT GCAGTGGTAC AATCTCGACT
8051 CACTGCAACC TCCACCTCCT GGGTTCAAGC GATTCTCCTT CCTCAGCCTC
8101 CCGAGTAGCT GGGCTTACAG GCATGAGCCA CCAAGCCTGG CTAATTTTTG
8151 TATTTTTTAG TAGATGGA GTTTTGCCAT GTTGGCCAGG CTGGTCTTGA
8201 ACCCTGACC TCAGGTGATC CACCACCTT GGCTCCCAA AGTGCTGGGG
8251 TTACAGGCGT GAGCCACCAC GCCTGCCAC TCTGCCTTTT CTAGGGGAAC
8301 TCTGAACAGT ATTTCTGAGA AGGGATAGGT AATGTGTGCT TTGCTTCAAT
8351 CTGAGTGGAT TCCATCAACC TCTCCATAGA GCAGGGTGG AAGAGGTCCT
8401 CTGTGCTGTT CAGCAGCTTC TCAATCTCAT CTTTTATGGC CTTATTATGT
8451 AGTTTACATG TTAAGAAATC CAGAAGTATT TATAGTTGAG TGAAGTCCA
8501 TTCTTTACTG GGGGAAAAA ATGAACCTA AAACCATAAA AATGATGAAC
8551 CAGTAGAAAA TTTTCATCTG TAAATTTGAA CCATAAAAGG ATATGTTTAT
8601 TTAGCATCAT TTTTATATGT GTAAGCGGCA TGTTACGCTA TTATGGAATT
8651 GCCTTTGTAG CAGAGTGGAC GAGGCAAAAC CTTCCAAGTT TGATTATGGC
8701 CTAGGGCGCT GCAGTCAGTA CGTGCACCGT GCATTTTGT CAGACCACAG
8751 GATGTTTCAC CTTTATCATT CTATTTTCACT TTCTCAAGTG TAGGTAGATG
8801 CTGTAGTAAC TAGTGAAGTA CAAATCCATG TAAAAATGTT AAATCTCAT
8851 CTGTTGCTG TGTGTTGATT TTCTTAAAGG TAGGGATTAA AAGTGAATA
8901 GGCCACAGT CCCTTATCTG GAATCATTGG GCCAGATAAG TTTTAGAATT
8951 CAGAAATTTT CAGATTTTTC TAAAAGTAAT AATATGCATA TATTGTTGTT
9001 ATGTAATACT TCCAGTGGGG TCTGGGACAA AATCCCATAA TCAACATTA
9051 GTATAGCAAA ATATATATAC ATATATTCCC ACTGAATGGA TATGCATGAA
9101 GATTATGCAT AGTTTAAAT CAGTTCAGGT CAACTTTTAT TGCCAAATAA
9151 GTTACAAAAA AAGATTTGTT TTTTAGAACT TTTTGGATTA CAAAATGGTG
9201 ATAGGGATTG TGGACTTGTC TTTACTTTT TTTATATACCT ATTGAGAGTC
9251 TGTAAATTT TTTTACTGTA AATAATATTT CCCATATTCC CAAAGGTTGG
9301 AAACCACAAT CACATAAGCA GGGGTACAA ACCGAAGTGC CAGGTTGGGT
9351 AAAATAAATA AGTGAAATGG GAGGCGGGTA TAGGACAGTA GGAATGTGG
9401 GGAATGCAGT GAACTGGTGA ATACATGTTT ATTCAAAGG GAGAGCTGCT

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9451 CTTCAAGTTCT AGCCACTTGT TGCCATGGTG AACGTGGGAG TAGTGAAGCT
9501 ACATCTTCCA TTTTGTATGA TACTCCAGAA TGCTGATTTT CATGTGAAGT
9551 TTCTTGATAT TTAAATGTTG GCAACTAAAA AGAAAAAAC CCACTGTTGG
9601 CCAAAGAAAA CATCTGAAAG CATTATCTGG CTGTGGGCTG CCTGCTTTCA
9651 TTTGTAGTTT AGAGACTAAT GCTTGTGGTA TGAAAAGTTG TCAGTGAGCC
9701 GGGTGCAGTG GCCCATGCTT GTAATCTCAG CATTTTGGGA GGCTGAGGTG
9751 GGAGGATCAC TTGAGACCAG GAGTTTGAGA CCAGCCTGAG CAACATAGCA
9801 AGATCCTGTC TCTACACACG CAAAAAGTTT AGCCAGGCAT GGTAGCATGT
9851 GCATGTAGTC CCCAGCTACT TGGGAGGCTC AGGTGGGAGG ATCGCTTGAG
9901 CCTGGGAGGT CGAGGCTGCA GTGAACTGTG ATCCTGCCAC CGTGCTCCAG
9951 CCTGGGTGAT GGAGTGAGAC CCTGTCTCTA AATAAGTAAT TTGTCAGTGG
10001 CATTTCGTAT GAAGTACTTT CTTGAGATAT GGATGGGTGC ATTTGCTTTA
10051 TTGTTATTCA TTATGCTTTA CATAACACT ATATGTTCTT TGCACATAAA
10101 ATATTTTATA ATAAAAATCT AAAGAAGTTG ATAAGCACTT TATTTTAGCA
10151 TTGCCTTATT TTCTAGCCAT TAGGAAATTT TCATCTGTAA ATTTGAAACT
10201 TTAAACTTAT TTATCTTGGA AAAGGGACTG AAAGCCCCAC TTCAAAAATA
10251 GGAGCCCTCT TTTTAAAAAG TAGGAGTTAA AAGAGGTTAG ATTGTAATGT
10301 TCATTCCTTT CCAGGGCCAT AGTGATCTGA AGTAACATTG GGTATTCCT
10351 GTTATATTGC GACAGAGAAA TGTCTCGAT CTCCTTCTT CTGAGACCGT
10401 TCCCTGGGT GATCTCAGCC CCATAACTAT CACCTCATGG TGACAGTTTT
10451 ATGCTCCAG CCCTGGGGTC TCTTTATCCC TAGAATGATG CTATCATCTC
10501 TCTCTGAAA AATCTCTGCT GACATGGCCT GATAAAATTG AACCCATGAA
10551 CTTCTTCTC AAATTGGCTT CATTTCCTC TATCTCTAG TCTGTGAGTC
10601 ACAGACTTT GGCCTGCAGG GTAAATCCAG CCCACCGCTT GCTTTGTGAA
10651 AAAGTTTACT GGAACACAGC CACTCACTAC AGTGGCAGGG TTGAATAGTT
10701 GCAACAGTGA CCCATATGGC CTGCAACGCC TATGGTATTT ATCCTCTGGC
10751 ACTTCATAAG AAGCATGTGA CCCCTGCCCT AGGGCATTA ATGCCCTCAC
10801 ACCCTCCCTA GTCACCTGTC AGTCCCATTC TTTTCTCTC ATCATCTCAG
10851 TCAGGTGAGG AGACTGGAAT TTCTGCCTCT TTGATTATCT TTTTCTTTTT
10901 TTTTTTTTTT TTGAGACGGA GTCCCTCTCT GTCACCTAGT CTGGAGTGCA
10951 GTGGCATGAT CTCGGCTCAC TGCAACCTCT GTCTCCCGG TTCAAGCGAT
11001 TCTCTGTCT CAGCCTCCTG AGTAGCTGGG ACTACAGGCG CACACCACCA
11051 TGTCGGGCTA ATTTTTTTTT TTTTTTAATT TTTAGTAGAG ACGGAGTTTC
11101 ACCATGTTGG CCAGGCTGGT CTGGAAGTGA CCTTGATTAT CTGTTGACTT
11151 CATCTTGTCT TCCAGAGGC CATCCTTCCT GTTACCTTAA TTAGGTGCTC
11201 ATTATTTTTT ACTTGAGTC AAATTTGTCT TCCAGTTGGC TTTGCTGCCT
11251 TGAGCTGGCT TGAGCTGGAT TGTATCTACA ATTCCCCAAC CTTCTGTTTG
11301 ACATGGTCTG TCACCATTTT AATGATTATA GCTGCTCACC TCTAAATTAC
11351 TTTTTCATGA TGAATTCTCT AGAGGTTAGA ATCACTAGAT TTATAGGAAA
11401 TTAATGTTTA TATCATGACA GTATTGCCAG GTTGTCTCCT AAGATGATAA
11451 TGCGTTCATT TAGTTTGTAG TGCAGAAAGT GATGTTGCGC AATAATGTGT
11501 GTCATTATGC ATGACATGAT GAATATCACA TTTACCATC ACCTTAGTTG
11551 CATTAGATAT TGTCTTAA AAATTTGTTA TCTATTTAAA TTTTTCCAC
11601 TAAGTTCAAA ATGAATGTGT TCTTACATT GTATTTCTTT ATATGAGTTT
11651 TCTCTGTATG TGTCAATTTT TTGTCTGGA ATTAACGTT AGTTATCAGT
11701 TTCATTGCTC AGTTACCAAT TTAGTTCAAC AAATGTCTCT TGAGAACCTG
11751 TCAAATGATA GGGGCTGGG TTAATAATAT AATTGATCCC TGGGACTTG
11801 AATGTGGAGA CAGAGCTACA AACAGATAAT CTGAATGTAA CCAGTTTAT
11851 CTATTCTAGC AGATCTTAGG TGCTGTTAAT GAAATCTTAA TGCCATTCTT
11901 TGATGTATTT ATGTACTTTA ATATAACAA GTTAGCATTC TTGTTCATAG
11951 ATATGTTCTT CAACAGATAC AGTGATGAAA CCTTGACAT TCATGACTAG
12001 GTACAGATTT AATACAAGTT TCAGAAGATA AAGCTGATTC TATAAAAAAT
12051 CTAAGATTTT TATAAGAAAC TGTCTTTTAA ATAGGTAGAG CCTATTATTT
12101 ATAGCAAATA AAATAATAGG CATGTTTGAT ATAAAAACAA TATTGAGGCT
12151 GGGTATGGTG GCTCACGCCT GTAATCCCAG CACTTTGGGA GGCCAAGGCG
12201 GGTGGATCTC CTGAGGTCAC GAGTTTGAGA CCAGCCTGAC CAATATGGTA
12251 AAACCCATC TCTACTAAAA ATACGAAAAT TAGCTGGGCA TGGCAGGCAG
12301 GCGCTGTAA TACCCAGGTA CTCAGGAGGC TGAGGCAGGA GAATGGCTTG
12351 GACCCAGGAG GCCGAGGTTG CAGTGAGCCA AGATCGCACC ACTGCACTCC
12401 AGCCTGGGCA ACAGAGTGAG ACTCCATCTC AAAACAAAC AATATTCAGT
12451 TCATTTCAGC CATGCATCTT GTGAGACTGT GTTCTCTCTG TGTTAATTAC
12501 AGCTTATTGA TTATTTGCAT TGGCTACTTC CTTTGTATTA TCCCAAGATG
12551 TTTCTCTCTT CCTCTCCTTT CCCACAGCTC TTCTTTTTTG ACGTCTCTCT

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12601 TATCAGAGAT ACCTTTTGGT TTAGTAGTCA ATTTGATCTC TCCTTTAATG
12651 TTTCATTAGC ATTTCTTCTG TAGTTACTCA GTGTTCTTCC ACATGGTTTG
12701 GCCAAATTTA TACTTCTTAA AGAGTTTAAA TTAGAAATCA CAGACCAAGT
12751 AAACAGGTGC TCAAATGAAT ATAAATCTTA AATAAATGTA CAGAAATTAT
12801 TAAAGCACC CATCAGCTGT TACCTGTCAG TGTGAATATG TATAAATCAA
12851 GCAGCTTGGG TATCACGTGG TCATTGGATA CTTTCACATG CCTGGGCTGG
12901 AGTGACCATT TGAAACCATG GCCAGCGGTA CTTTGGGGAA ATACACCGAA
12951 GTGTTTCTAC TTCACCAGAT ACAGTGAGTG CTTGGATGGA GGGAGTGTGG
13001 GCACAGGCAC AAAGCAGGGG AGTCTCTGAG ATGTGCCTGG GGGTTCAGTG
13051 AGGACTCCGC TGGGCATGTA ACGTGAGCAA TCATTTTTTA ACAAATTTTT
13101 TCATGGAGGC AGAGTCTTGC TATGTTGCCC AGGCTGGTCT CCAACTCCTG
13151 GCCTCAAACA ACTCTCCCAT CTTGGCCTCC CAAAGTTGTG GGATTACAGA
13201 CGTGAGCCAC TGTGCCTGCG CTTGAGTGAT CTTAATAACT GGCAGGTGAT
13251 AGAGAATTCC AAGGGTAGAG ATAGTCCTAG GGGAAACCTA ACACTTGAAG
13301 AGTTTATCCT TTAACCTAAT ATTTTTTTTT TGTGTGTAAG TTGGGAAAAA
13351 GGCAACCATT ATGTGATTCT TAGCAGGGGA GCAACTCTCT CCAGCTCTTC
13401 TATTTTCAAA TCACTTGGGT AGTGATTGCT ATTTTCTGAT CCATTTGTTA
13451 AGTATTTGTA GTATTTAAAT TCACAGCCCC TGGTTGCATT TCCATCCAAT
13501 AGAAGGTGTA AGTTGGTTCT TCAAAGCTTT TTTTTTTTTT GAGATGGATT
13551 CTTGCTCTGT CACCCAGGGT GGAGTGCAAT AGCACAGTCT CAGCTCACTG
13601 CAACCTCTGC TCCAAGGTTT AAGCGATTCT ACCTGCCTCA GCCTCCTGAG
13651 TAGCTGGGAT TACAGGTGTG CACTACCACT CCCGGCTAAT TTTTGTATTT
13701 TTAGTAGAGA CAGGGTTTCA CCATGTTGGC CAGGCTGATC TGGAACTCCT
13751 GGCTCAAGC AATCAGCCCT CCTCGGCCTC CCAAAGTGCT GGGATTACAG
13801 GTGTGAGCCA CCGCACCCAG CTGGTTCTTC CAAGTTTAA AAAGCTTTAA
13851 GGCCAGGCAT GGTGGCTCAT GGCTATACTC CCAGCACTTT GGGAGGCTGA
13901 GGCAGGCAGA TTTGATGCCA GGCCAACACG GCGAAATCCT GTTTCTACTA
13951 AAAATGCCAA AATTAGCCAG GCATTGTGGT GCACACCTGT AATCCCAGCT
14001 ACTTGGGAGG CTGAGGCACG AGAATCGCTT GAACCTGGGA AGCAGAGGTT
14051 GCAATGAGCT GAGATCCTGC CACTGCAATC CAGCCTGGGC AACAGAGTGA
14101 GACCTGTCT CAAAAA AAAA AAAA AAAGCTTAA AGCTAGCATA
14151 CTCTTGT TTTT TTTT TATAAGCTGA TGGAGACCTT TGCCCCAAT
14201 AGACAATTTT GTTATACATT GAATATCAAG TATCATTTCT CACAATGTAA
14251 CTTATTATTT TCTCTAATTT CCATTTTACT TGTATATCTC CTGTTAGAGC
14301 CTCTTTTTTT TTTTTTTTTT TTTTGTAGAC GGAGTCTCGC TCTGTTCCCC
14351 AGGCTGGAGT GCAGTGGCAT AATCTCGGCT CACTGCAACC TCCGTCTCCT
14401 GGGTTCAAGC GATTCTCCTG CTTACGCTC CCGAGTAGCT GGGATTACAG
14451 TTGCCACCA CCACACCTGG CTAATTTTGT TATTTTGTAG AGAGAGGGAG
14501 TTTTACCATA TTGGTCAGGC TGGTCTCAA CTCCTGACCT CATGTGATCC
14551 ACCTGCCTTG GCCTCCCAGA GTGCTGGGAT TACAGGCGTG AGCCATCGCG
14601 CCCAGCCAGA ACCAGTTTAA TACTCCCAT GCTTTTGCAT TTTTGTACTT
14651 GCTGGGGTTC ATAATAATCC TCAAACAACC CCAACATAGC AGGACTAAAA
14701 TACAGGCCAT CCATGGCCTG GAGCACCAAC TTTTGAGAGC CAGGCGATGT
14751 TGATTGGCTT CTGTCGTCTAT CTGTGGAAGT CCATCGTTAG AAAAGCTTCT
14801 GTTCCAGTTT TAGGGGGGAA TGATGGTTTG AGGGCTACTG TGGTAGAACT
14851 TGGGGAACCTC TTTTCGGCAA AAGGTTGAGA AAGTTGGTGC TGTGGGAAGT
14901 CAGCTGGCAG CCGATGGAGT CAGGACCAGG GAGGAAGGGA AAGGGAACCC
14951 AGATAGGAAG CTAAGTCAGT AGGCTCAGAG AGGTGATGAC GGCAGGGCTA
15001 AGACAGCAGC CTTGGGCGGT GACTGGGAAG AACATTGAAC ACCATGTTTG
15051 GGCTGAAGAA AAGAGCAAGG GAAGAGGTGA GGAGCTTACG GTTAGGGTTG
15101 ATGTAGATGT TATTTACATA GGGAACAGTA ATTCTTCACT TTTTCATTGT
15151 TTTACAATGA TTCTTTTTTA GAAACATATA ATTGTGATAT TTTCTTTGAC
15201 CTTTTATTGG GCTTTCTATT CTATTCATT GATTTATGGC TTTGGGTGTG
15251 TGTATATGTT TGATCAACA TTTTTTTTTT TTTTAGATGG AGTCTCGCTC
15301 TGTACCCAG GCTGGAGTGC AGTGGTGCGA TCTTGGTTCA CTGCAACCTC
15351 TGTCTCCAG GTTTAAGCAA TTCTCCTGCC TCAGCCTCCC CAGTAGCTGG
15401 GATTATAGGT GCCCACCACC ATGCCCAGCT AATTTTTGTA TTTTGTAGT
15451 AGACAGGGT TCGCTTTGGT CAGATTGGTC TTGAACTCCT GACCTCAGGT
15501 GATCCTCCTA CCTTGGTCTC CCAAAGTGCT GGGATTGCAG GCATGAGCCA
15551 CTGCACCTAG CCTGCATCAG TATGGTTTAA TAACTGTTGA TCTGTAATAT
15601 GTTTTAAATT GGGTAGAGCT GGTCTCTTAC AAATACTCTT TTTTCAGGCTG
15651 GGTGTGTGGC TCACGCCTGT AATCCCCAGC ACTTTGGAAG GCTGAGGCCG
15701 GAGGATCGCT TGAGGCCAGG AGTTCAAGGC TGCAGTGAGC TGTGGTCTCTG

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15751 CCACTGCACT CCAGCAAGAG ACCCTGTCTC ATTAAAAAAT AATAATAAAT
15801 ATTCTTTTTT CAGTATCTCT CTTACTTTTG TATAAAGGCG AGTTTTGGCA
15851 TCTCATCTTC TCTAGTTTCT AGAAAAAATT ATTTAGGATT TTGATTGAGT
15901 TGGGACTCAT TTATTTCAAAT GATGTTTATT GGGTCCCTGT TGTGGGCTAG
15951 GCTCTAAAGG TTCAAAAAATA AATAAAACCC AGGTTTTTAT GGCTAATAAA
16001 ATCTGTGAAC TAAACTTTGA GAATTGATAT CTACAAGATG AGCATTGCAC
16051 ATGACTTTGT GTGTACAATC TTTTATATGC TTCCCAGGTA TTTTTTTTTG
16101 TTTTTTAAAT TGAGAATAGT GCCTATTTAC TAAACTATGC AACTGATCAT
16151 TTTTGTATT TTAGGTACAT AATATTATCA GTGTGTGCT TCTATTTCTG
16201 CTTTGTCTAT TTAGTTCAAT GATTTCTTTT TCATCCCTTA TTTAATTGGT
16251 TAGACTCCAA AATAGTGTGT AGCTGTATAA ATGTTTATAG GAATATTGTG
16301 TAAAGGGCAT ATGATTCTAC CTTTATTGGA CATTTCAGGA ACATGATAAG
16351 GACTATTTAA ATCCTGCTAA AATACAAGTG TTGTAATATG AATTGTTCCC
16401 AATGGAAGTT TGCAAGCAAC GTTCTCCTCA TTTTCGAACC ACACAACCTT
16451 TAGTGTGTCT GCTATTTGAG CTTTATTCTG TGTCTGTTTT GTGTCATGAG
16501 GTTGGCAGGT GATCTTAAAT GCAGAAATGCT GAATTTGTAG TAGTCCAAC
16551 ATATGGAGAA AACAATTGCA ATGCACTTTA GATTTAGGAA CAAATTGGAG
16601 GAGAAAGTTG AGAAATGGTA AGAGGAGTTT TAATGGAGCG TATGTGGCAG
16651 TATGCTAATG TCACCTCTAA AGAAGAGGTG GTTAGCAGGT CACAAGGCAG
16701 TAGACTGAAT TGTAGCCTCT GAATCTCAGG GCAGTCTTTA GGAATGGAAA
16751 CCTTGCTGCC TGTAGATTTA GGTAGAGGTT TTAATAACCC CCCCCTTGCC
16801 AGAAAAAATC ATCCACACAC AGATTTGCCT ATAATCTTAT GGACTTCACA
16851 GACATCCTCA AGCGCATGGA CAAAAACCCC AAGATTCAAG AAAAGCCGTC
16901 CACATGGTCG GCAGCTCAAG AAAGCCTGCC AGTTGTCCAA GCAATGCTTA
16951 GTTACAGTTT CCATGCTGGG AGCTGCTCTC TAGAGAAATG TTATTTGCAG
17001 ATGTGCACCT CGTGCGTCTG TGTGTGTTGT TCTGCCGTGTG TCCAAAATAC
17051 ATGCTTTTTT TAGATGGGAG CCTTTCCCCC ACAAAGCAGA AATGTGTTCT
17101 GTCATGGGAT TTGATGATCA TCAAATTACT TTCCCTCAAG AATTGGCTTT
17151 CTTGGCGATT AGTTAATTCA GTTTTCAAAA CTTTGTAGATA AGGGCTTAAT
17201 CAACGTAAAA CTGCTTTGGG GCAGTTGCAT TGTAATAAAA AGTGATTGG
17251 ACTTGAGTCT GAGGGCTTGA GATCCTGTCT GACTGTGTTA CTCGCTGTGT
17301 CTGTGACCTT GTTCCAATCA GCCACTCTGC TGTGTTCCCTA TACGTGAGAA
17351 ACGGCTCCTG ATACCACCAG GAGCAAGCTC TGCTGTGTTT AAGAAGGTGG
17401 TGTGTGCTAG GGAGGCGTCA TGAGACAGTG AGGACATACA GTGTGACACA
17451 GCAGGTCAGC ACTGGGGAAG ATAGCCAGGT TAGCCTTCAC TTCACTGCTC
17501 TATGCCAAAA TACATTCCAA ATGGGTAAAA GCTTTCATGT AAAAAATAAA
17551 ACCACAAAAT AAATACAAGA AAATATAGCT TATTGTGGAA AGTACTGCAT
17601 GCTTTGGCAT AAAAAATGTG AGAAAGAACA ATAAAAGATA GCCTGTAGGT
17651 GGGCATGCG ACTCCACCT GTATCCAGT TGTAGGGAG GCGAGGCAGG
17701 AGGGTCATTT GAGGCCAGGA GTTTGAGCCC AGCCTGATTA ACATAGTGAG
17751 GCCGTGTCT GTAAAAGGAA TTTTGGAAAA ATTAGCTGGG TGAGGTGGCA
17801 CACCCTGTG GTCCAGCTA TTTCAGGAG CTGAGATAGA AGAATCCTTA
17851 GAGCCAGGA GCCGGAGCTG CAGTGAGTCA TGATTGTGCC CCTGCAGTCC
17901 AGCCTGGGTG ACAGAGTGAA ACCCATCTC TAAAAAATAA ATAAATAAAT
17951 AAATAAATAA ATAAACACC TGTAGATTTA ACCACATAAT AACTACACTT
18001 CTGTCTGTTT TATTATATCA AAGTTAAATT TAAAACGATG ACTAATTGGA
18051 AAAAAGTGA AGCAACCACT ACAGAGGTGA ATATACTGAA TGTATAAGC
18101 TCTCTAGTAA TTTTAAGAAC TCCGCTCTAA TGAGCAGATA TCACAGACAG
18151 AAACCTCTCA GATGAAATAC CGATGACCAG GAAATCTGTG AGACCACTTT
18201 AAAAAATTCT AAGTCATTGA AGAAATGCAA AGCTTCCAGG CTCCACTTTT
18251 CACTGATGAA ATTGGCAGAG TTTGGGACAA TGAGATGTTG CTGTCCCGGG
18301 AGTGTGGATG GGGCTGTGTC CTGTGATGGC GGTGGGCACT GGCACCTTG
18351 TCCAGAAAGA CATTCGCCAC TGTGGTTCAA GAAGCACCTC AAAGGTCTTC
18401 ACCTTGTGCC CTTGTCCACC TCTGCCCGCG GTCTCTCCTC CTTTCAGCCT
18451 CCTCTTTCCC ACACAGTCCC TCCCGCCCTG GCTTGGTCCC CTTTCTTCTC
18501 TGATGGGGTC AGGCATGTGG GTGACTGACT TCCAAGGCTC TGTCTACCTG
18551 GCCTTTTTCT TTACCTGTT CTGCGGAATA ATAGCCTGAT TCATTCTCT
18601 TTTTGGGTCC TTCACCTTCCA TACCTGGGAT TCGGGGCGTG GCCCAAAAAG
18651 ACCCTGCAGT CGTGCAGTGT GGGGCTGCCA GCATTTTCATG GCCTCCAAGC
18701 TCAGCTGGGC TGAATGAATG CTGCCGTCCA GCGCTTGGCT TAGTTTTCTG
18751 TCCCCTTTTC CTGAGTGCTT TTGCCAGACT TTCACCTTTC TGAAACCTAC
18801 TTCACCTTAC CCCAGAACAC CCACCCTCTC TCCTTGGATG ACCTGCCTCC
18851 TAATTTCCCTA AGAAAAGTGG ACATGGCCAC CTTTCCCCAG TGTCTGAGGC

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18901	CCAGGTTGAC	CCGTGGTCAT	GGTTGCCGTC	ACCACCCACC	TGCCTGGACC
18951	CCACCCTCTG	TCCAAGGCC	CGCCACCTGT	GCCGCTGTCC	TGGGCGCTGC
19001	CTTGCCAGCC	TCCCCTCTGT	GCCATGCACC	TTTACCTCC	CTCCATCTGC
19051	TGCCTGTTTC	TTCTTGGCTG	CTCCTCATGG	TCAGGCTTTT	CTCAGCCCTC
19101	CCCTTCCTTC	TGGGGCTTTG	CGTCTTCCTC	TGTATCCAC	GCTCTGCGTC
19151	TTGGCTTCCC	AGGACCTCT	CCTCCCACTT	TCCTGTCCCT	GACGTCCCTG
19201	TGCCCCGGGG	CCAGTTTGCA	TCATCAGCCA	GTCCCTCATC	CATGCTTCAC
19251	CCGCACCTCG	CTCCTGGCTT	CTTCCCTGCC	CTCCCTGGGG	ACTCCTATCC
19301	TGTCCCTGCG	CCTGGTTCTC	CTTCCGCTGT	GTCCAGGGC	CTCCATCCTC
19351	AGCCTCCGTC	TTCTCTGCAG	GGTCTGCTTC	TGCATGAAC	CCCCCAGATC
19401	CGTGTTCGTC	GCTGGTCCTC	ACAGCAGGCT	CTTCGTTTCT	GGACCAGATG
19451	TCTTTTCTTC	GCTTCAGAAC	CATCTAGAAA	AAAGGGAAC	GGATATCTCC
19501	ACCTGAATGT	TCAACAGGTC	CCTTCACCCA	GCATTTCCAG	AGCTGACCTC
19551	ATTGTACCTT	CATATCCTCC	CAGTGTTCCT	CTTTTGGTGA	GGAAAAACAC
19601	ACATTGTCCA	GCCAGTCCCT	CAAGGCAGAA	ACCTGGTGGT	CATCCTCAGC
19651	TCTCCCCCT	CACCTCCTGT	CCACCCCAA	GTCACCGAGT	CCTGTTCCCTT
19701	TCTCCTTTGC	AGTGGCTCTC	TGTGCCCTGC	TCTACCTACC	CACTATTTAG
19751	TGTGGGCTGT	CCTCCATCTC	ACTTGGATCT	CGTGTTCG	GGACTCTTCA
19801	GATTCCTCCT	CATGGCTTCC	CTACCCGGCA	GCATATCTTT	CCCTCACATA
19851	TTCCACACTG	CAGCCAGAGG	GATCTGCCAA	AGAAATAATT	GTGATAATGA
19901	TAGAGAATGC	GCATCTGGGT	GTATACTGGG	TGCCTTGCAC	TAGTCCAAGT
19951	GCTAATGACA	GAGAATATAT	ATCTGGGTGT	GTACTGGGTG	CCTTGCACCA
20001	GTCCAAGTGC	TAATGACAGA	ATATGTGTCC	GGGTGTGTAC	TGGGCGCCTT
20051	GCACCACTCC	AAGTGCTAAT	GATAGAGAAT	ATGAGTCTGG	GTGTGTACTG
20101	GGCGCCTTGG	ACCAGTCCAG	GTGATAATGA	TAGAGAATGT	GCATCTGGGT
20151	GTGTACTGGG	CACCTTGCAC	CAGTCCATGT	GCTAATGACA	GAGAATATGT
20201	GTCTGGGTGT	GTACTGGGCG	CCTTGCACCA	GTCCAAGTGC	TAATGACAGA
20251	GAATATGCAT	CTGGATGTGT	ACTGGGCACC	TTGCGTAGT	CCAAGTTGTG
20301	TATTGACTTG	TTTAATACCC	ACCAGACCCT	GTGAAGTCAG	TATAGTGTTA
20351	TCCCTTTTAT	AGGTGGGAAC	CAGAAGCACA	GGGAGATTGA	GTAACCTGTG
20401	TGACATGATT	TCTCCATATT	CTAGACAGAA	CAAAAACCAT	TTTTTTTTTT
20451	TTGGTTGTCC	CTATGTTGCC	CAGGCTTGTG	TCCAACCTCT	GGCCTCAAGC
20501	AATCCTCCTG	CCTCGGCCTT	CCAAAGTACT	GGGATTACAG	GTGTGAGCCA
20551	CCATGCCAGG	AATTTTTTGA	GCTTTCTAGG	AATCAGCACT	TTGCTTATAT
20601	TATCTCTTTC	AATCTTTCCA	ATCTGTAAAT	TAGATATTCT	TAATATCTCC
20651	ATTTTTACGG	GAAAGGAAAT	GGAGACACAG	AGATTACCCC	GCTCTTAGGT
20701	GGTGAACGGG	GCTTTGACTC	CCTGCATATT	TGCTCTTAGC	CACTTCACCC
20751	ACCTACAAGG	AGCTAGCACC	TTGCTTGGGG	TAGAGGGAGG	GCACCTCTCG
20801	AACATGCTTT	AGTGGGTGTT	TTTCTGTTCT	GCTTTCCGAG	TTGTGGGTGG
20851	CAAAGGAGAT	GTGCATGCAT	AAGATGTTCT	CATTACTAAG	AGTGCTTCTG
20901	ATGATAACAA	AAGACCAATA	TCCTGTTGGA	GCAATGTCCA	GATATGATGA
20951	AATGCTAGAT	TTCGCTGGTA	ACGCTGAAGA	AATTTTTTTA	TGAATGCTCC
21001	ATCCCCAGAA	GACTCTCGCT	CCTGCCATTT	GATCAGTTGA	TTTTATAATA
21051	TGAGCATTGG	TAAATTCTTA	GGAATACAAC	TATCATAATA	ACATGTTATG
21101	GCACAACAAA	TTTAACTGTT	ACTCCACTGG	TAGGTTCCCTG	AAATTATTGA
21151	TGATAGGAAG	ATTCTTCAGT	GCAGAGAGGG	ATTTAAGACG	TTATGGGAGA
21201	CATTTTAGTT	AAGATGGTTG	ACTGAAGACA	TATTTATTTC	CCTCCCCCCC
21251	CAAAAAAATA	AAATTCACCTG	AAATGTTGGG	AATTTTTTTT	AAGTCTTAGA
21301	AGTTAAAAAC	CATTGTGCTG	AAATCCCTGG	TGTACTTATG	AAGAAGTAGG
21351	TGGCTTGCAC	CTGTAGTCCC	AGATACTGGA	GAGGTTGAGG	CGGGAGGATT
21401	GCTTGAGCCC	AAGAGTTTGA	AGTGAACCTG	GACCACATAG	CAAAGCCCTT
21451	GGTCTCTTAA	AAAAAAGAGA	AGAAAAAGTT	GGTCTATAGA	GAAGTAAAGT
21501	GAGTGCAGTT	TTATTTGTTG	GTTTATTGTC	CAAGCCTGGT	TTTCCTTTGT
21551	TTAAATGCAT	GTAAACAGCT	TTCTGAAGAT	TTTTTTTTTT	ACATTGCTG
21601	CCTGGTACTC	ATTTGAAGGC	CCAGAGTCCG	GCAGAGTTCC	TTTCCGTGTT
21651	TTCCGCAGTC	CTTCAGTTTG	GTTTCGCACAC	CTGATGGCCT	AGAAATGGGC
21701	TGGCCCTTGG	CTTCTCGCC	CACCCTGGTG	GTGGATTGCC	GCTGGCTCCT
21751	ACTCAGTACA	AGGCCAGAT	ACTGAAAAC	TTTATTAGT	CACTTATGTA
21801	TTCAGCAAA	AAGTTTGCTC	ACAATCTTCA	GCAGATCCCG	TGTACCTGAG
21851	CTTAAATGGG	GTGGGGTTCT	CCCCCAGCCA	TGTCACCTGC	CTCTGCTCCT
21901	CCCTGCTCTC	TCTTCCCTCT	CTTCTCCCTG	ACCTGGGTGC	TCTGTACTA
21951	TCCAGCCTCT	GGGTTTCCAA	CTCATCCAGT	AGGTCTCAGA	AGCCATCACC
22001	AGTTTCAGGA	TATCTTTCTG	ATATCCCAGG	TCTGCATTCA	GGCCCTCCT

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22051	GTCATGTCTG	TAACCCGCAA	CAATTTAATG	TGCTTCTCTG	TGCCTAGGTT
22101	TCTAAATCTC	TAAAATGGGT	ATGACATGGT	TTGGCTGTGT	CCCCACTCAA
22151	ATCTCATCTT	GAATTGTAGT	TCCCATAATC	CCCACGTGTC	GTGGAAGGGA
22201	TCCCATGGGA	GGTAATTTAA	TTATCGGGCC	ATTACCCTTA	TGCTGTTCTA
22251	GTAATACTGA	GTAGCTTCTC	ATGAGATCTC	ATGGTTTTAT	AAGTGACTTT
22301	TCCCCCTTTT	GCTCGGCATT	TCTCCTTGCT	GATGCCATTT	GAAGAAGGAC
22351	GTGTTTGCTT	CCCCTTCCAC	CATGATTGTA	AGTTTCCTGA	GGCCTCCCCA
22401	GCCCTGCGGA	ACTGAGTCAA	TTAAATCTCT	TTCTTTTGTA	AATTACAGAG
22451	ACGTGGGTAT	GTCTTTATTA	GCAATGTGAG	AACAGACTAA	TACAGGTTAT
22501	AATAGTGGTA	TCAGTCTCAT	GGTTGTCTTG	AGGATTAGGT	GGGTTAATAC
22551	AAGTAAGATG	TGTATTAGGT	GGTTAAGAAC	AGGGTCCCTG	AAGTAATATT
22601	GCCGAGATTG	AGAGCCTAGG	TGGGAAACCC	TGGGCAATCG	CTTAAGTTCC
22651	CTGGGTGCAT	CAGTTTCTTC	CTCTGTAACA	CGGGGGTAAT	AATACTTATC
22701	CCGTAGAGTT	CAGTTCTTGC	AAAGCACCTG	GAACAGTGCT	GAGCATGTGA
22751	TATGAGCTCA	ATAAATGTGG	GCTGTGGTGA	TAGTGACAAC	TCCCAGGGAC
22801	CCTGCACTTC	CCTGTTGGAA	CCGTCCCTTG	ACTGGAGTAT	AATGGCTTAT
22851	TTTCCTTGAT	AGTCCTTGAG	CTCTGGCAGA	GCAGGGGCCC	TATCTTACTC
22901	ATGATGGCTC	ATGGAAGGGA	ACCCGAAAAT	ATTTGTTTCT	TGACTAACCA
22951	AATGAAAAGT	TAGTGCAAAG	TATGCATGAC	ACCAGCCTGT	GGTTGAATTT
23001	GTTGATGGGC	TGTGTAGCTC	CACTCAGTTA	AGGCTTACTT	ATCCTGAATA
23051	GCTTTTTTGA	CAAAACACCT	CATTAAAAAG	CAATCAGATT	TCTGTTTTAA
23101	GGTATTTACA	GTGTCCTTTC	ATCCATCAGG	CACTCCTTTC	TTTGACCTTA
23151	GAAAAGGGCA	AGTGGAGATT	TAGGGTGTTC	CCCACCCAGA	ATCTACCATC
23201	ATCCCTCAAA	AACTGCCCTC	CCCTGACTTT	CCAGGTGACT	ATTTTTTCTT
23251	CATTTTGTGC	ACCACGCTAA	GCATGGAACT	TCCTGGGCCA	CATCTGTGAC
23301	GTGTGTTTAT	TGTAGAATTC	CAGAGGAGCC	ACCATTATTC	AGATTTTCAG
23351	CACTAGATGC	CTGTTTAAAC	CGTGCAACAT	TTGTCATTTT	TGGAGTTACA
23401	GTCCTACGTT	TGCAAAGCCC	AGTTTGGAAG	GTTTCAAAAT	GTCCCTCCT
23451	TTGCTATTTT	GTTCTAGTCT	CTTAAAAGTC	CTGTGAGAAT	GTTGATGCAA
23501	ATATAAATAA	AGTAAGGGGC	AGAAAGGTTA	AGGGATGTAT	TTTTAGATGC
23551	TATGGTTAGT	TTGTGGCGGA	GTTAGGGTCA	GAACATAGCT	TGCAAATTTA
23601	AGAGAAATTT	AACTTTGGTC	CATGGCCTCG	AAGGTACTCT	TTCTGAAGGT
23651	TCAAAGACTG	GTTACATTTG	TGTAATTCAC	TTAATGGGTG	TCTGCCTGCA
23701	CACCCACGAA	ACAGGGATAA	TAAAAATTGC	CCTGTATGGG	TACATGTTTT
23751	TGCCCCTTAC	TTTTTTTTTT	TTTTTTTTGAG	ACAGAGTCTC	ACTCTATTGC
23801	CCATGCTGGA	GTGCAGTGGT	GCAATCTCAG	CTCACTGCAA	CCTTCGCCTC
23851	CTGGGTTCAA	GTGATTCTCC	TCCCTCAGCC	TCCTGAGTAG	CTGAGATTAC
23901	AGGTGCCTAC	CACCATGCCC	AGCTAATTTT	TTTTTGTTAT	TTAGTAGAAA
23951	TGGGGTTTCA	CCATGTTGGT	CAGGCTGGTT	TTGAACACCT	GACCTTAGGT
24001	GATCCGCCCA	CCTCGGCCTC	CCAAAGTGCT	GGGATTACAG	GCGTGAGCCA
24051	CCATGCCCGG	CTGCCCATTA	CTTTTAATGG	GAAAAGCCAC	AATTACTTTT
24101	GCACCAACCT	ATTATAATGA	AATAATATAG	GTAAAAGTGC	TTTCATAACA
24151	GAAAATAATG	TATAAATGCA	AAATATTACT	ATTAATTTT	TTTTAAATTT
24201	TAGTATTGGA	AATTTGGTGT	TAAGAACTC	TTTTGGCTGG	GCACAGTGCC
24251	TCATGCCTAC	AATGCCAGCA	CGTTAAGATT	TTAGACCTTG	TCTCCAAAAA
24301	AAGGATTTTA	ACTGAGGCAG	GAGGATCACT	TGCGGCGAGG	AGTTTGAAAC
24351	CAGTGTGGAC	AACATAGCGA	GAACCTGTCT	GTACAAAAAA	ATACAAAAAT
24401	TAGATGAGTG	TGGTGGTGTA	TGCCTGTAGT	CTCAGCTACT	TGGGAGGCTG
24451	AGACAGGAGG	ATTGCTGAGC	CCAGGAGTTG	GAGGCTAAAA	TAAGTTACGA
24501	TCGCACCATT	GCTTTCACAC	GTCTGGGTGA	CAGACCCCAT	CTCTAAAAAA
24551	TAAATAAACG	GTAACAGAAA	CTTTTTTGAT	TACATGTTAT	GATCCACCAA
24601	TTCCAGTTTC	TATGTTTGAT	TACTTCTCTG	AACAGGAGTA	CTGTATTTAT
24651	GAATTTTTCT	TGTACTTTTT	TCAAGTTGGT	AGTTTATAGT	CAGATTCTAC
24701	TGTACTCTTT	CTGTTAAAAAT	AGCTATGTGT	TGGGCCAGGC	ACGGTGGCTC
24751	ACGCTGTAA	TCCCAACACT	TTGGGAGGCC	GAGGTGGGCG	GATCATGAGG
24801	TCAGGAGATC	GAGACCATCC	TGGCCAACAT	GGTGAAACCC	CATCTCTACT
24851	AAAAATACAA	AAATTAGCCG	GTCATGGTGG	CGTGCGCCTG	TAGTCCCAGC
24901	TACTCGGGAG	GCTGAGGCAC	AAGAATCTCT	TGAACCTGGG	AGGTGGAGGT
24951	TGCACTGAGT	CAAGATTGTG	CCACTGCACT	CCAGCCTGGT	GACAGAGCAA
25001	GACTCTGTCT	CCAAAAAATA	GAAAAAGAAA	AAGAAAAAAT	AGCTATGTGT
25051	CATTGGCCAG	GATGACTATT	TGGGCTCTGG	GTCTGTGTTC	TTGTCTCTCG
25101	TCTAGATATC	CACAGAGGGC	TCCAGGAGTT	CCTACTTCCA	TCCTGCTATT
25151	CTACTTTTCA	TTCTGAAACT	CAAACCTGTT	GCCATTCCAT	TACTGAAAAA

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25201	CCATCAGTGG	CTCCCTGTTG	CCCCCGAGTT	CCATGGCAGG	CAAAGCCTTT
25251	CTCTGCAGCC	ACATCTCCAC	CTCCTGTTCT	GTACCCTACT	AAGTACACAC
25301	TCCTCCCCAA	ACCTTTTCTC	CCCATGCCTG	ACTTATCTGA	GGTCCACTTG
25351	GACTGTTTCC	CTGCTTTCCT	GGCCACACAG	TTAATCACTC	TTCTATCTGT
25401	CCCCCAAAG	TGTTTTCAT	AAGGATGAGA	CCTTTTTTTC	TCATGAGCTC
25451	CTCAAGGGTG	GGGACTGTAT	CATTTCTGTC	TCCTTTTTTC	TTTCTCAGTT
25501	CCTGACATTT	AGTGGGAAC	CCGTAAATAC	CGTCTGAATG	AACAAATATC
25551	TAAATCTGA	GGCTCTTGAA	GTAAGTCCAT	CCTCGGATGG	ATGGTTTATA
25601	CTTGGAGACT	TGCTTTTGCT	TCTCTGTGAA	TGCATGCTCA	GCTGAGATCT
25651	GCTGGTGAG	GTGTTTCTAT	AGCTTCCTTA	GCAGTGGTGG	GAAGCCCAGC
25701	AGCTTAAGAT	GTTAGCTTCT	GATGCAGGGT	TTACTAACTC	TCCACGTACT
25751	CTGTCCCTGA	GTTTCTGTTT	ATTGTTTGCC	TGTGATTCTC	TTTGGTGCCA
25801	TCCCACACGG	TGTTGTGACA	ACCAACCCTT	TGTTTAAATT	GAACGTCTCTG
25851	CGCTACTCCT	GCTCTAACTC	TGACTAGCTT	TTTGTTTTTG	TGTGGTCCAG
25901	GCTCGACTGT	GACTTCTTCC	AGAGAGAAGC	TAGAACAGCT	TGATAAATTT
25951	GGAAAGGTCA	TTCTTAGATA	AGACTTGGGA	TTTATCTGAA	GGTGTATTAT
26001	ATTTGTTGTA	ATTCTCAGAA	CAGCTAACAC	TCCATGAACC	CTCACTAGGT
26051	GCCACGAAAC	ACGTAAATG	AAGTACATGA	GATGGTGTTC	CTAAACAACC
26101	ACTATGGTGG	TGGTATCAT	ATTATAATTT	TATGGTTATA	ATTATTCCTA
26151	TTTCACAGTG	GAGGAAATGT	TTCTTAGTAA	GGTGCACATG	TGAACGTCTA
26201	GCCTTGGGTT	TCAAAGTCTG	GTATGTTTGA	CTCCAGAGCC	CTAACTCTTA
26251	GTTCTGACTG	TATCCTACAT	TCTTATCCTT	TGCTGAGAGT	GAAACTTAGA
26301	ATTGGGTATC	ACTCTGTTTT	TTACAACCTGA	GTTTACTCTG	TCTGTGAAGG
26351	CCGCAGCGTA	AAGCCAGTTG	TGAATCATGC	ACATCAGCTC	CCTCTGAAAT
26401	GTGTTTATGG	CCTAGGACAC	AGGGACCCTG	GAGACTATGG	TGCTGCAGTG
26451	CATTATGGCT	GCTACCCCTC	TAGTCTGTCC	TGCTGCTCGT	TCTGCCACCT
26501	GCCAGCTGTT	GCTACCTGAA	CCTTCTCCTT	GCAGCAGTTC	TCAGTGTTCT
26551	CTTTGCTTGG	GAATTGCCTG	GGGAGCTAAA	AAAAAAAAAA	AAAAAGCCAA
26601	GCCCCACCTC	CAGAGGTTCT	AATTCATTTG	TTTTAGGTTG	GGGTCCAGGC
26651	ATCAGTATTA	TTATTTTTGA	CAACCTTATG	AGGGGTGTGT	GTGTATTTGT
26701	GTTTTTGTGG	GGGACATGGT	CTCACTCTGT	TGCCCAGGCT	GGAGTGCAGT
26751	GGTGTGATCT	TGGTCACTG	CAGTCTCCAC	TTCCCAGGCT	CAAATGACCC
26801	TCCTACCTAA	GCTTCCTAAG	TAGCTGGACT	ACAAGTGCTC	ACCACCATGC
26851	CCAGCTAATT	GTTTTAAATTT	TTTTTTTTTTT	TGAGACAAGA	TCTTGCTTTG
26901	ATGCCCAGAC	TGGAGTGCAG	TGGCACGATC	GTGGCTCACT	GAAGTCTTGA
26951	CCTCCTGGGC	TCAAACAATC	CTCCCACCTC	AACCTTCTGA	GTAGCTGGGA
27001	CTACAGGTGT	GCACCACCAT	GCCTGGCTAA	GTTTTTTATT	TTTTGTATAG
27051	ATGGAGGTGT	CCCTGTCTTG	CCCAGGCTGG	TCTTGAAGTC	CTGGACTCAG
27101	GTGATTCTCC	CATTTTGGCC	TCCCAGAGTG	CCGGGATTAC	AGGCATGAGC
27151	CACTGTGCCC	AACCTATGAG	ATATATTTTA	TAGATCATAA	AATTTACCCA
27201	TTTTCCCCTT	TTATCTTTAG	TTGGCTGCAA	TGTTTGTACA	TATTTATGGG
27251	ATATAGAGTG	ATATTCTGAT	ATGTTTACAA	TGTGTAATGA	TCAAATCAGC
27301	ATAATTATCG	TATCCATCAC	CTTGAACGTT	TGTGCCGTGA	TTGTGAACAT
27351	TCAAAATCCT	CTTCTAGATT	TTTGAAAATA	CACACTAAGT	TATTGTTAGT
27401	CATATTCACC	CTACAGTGCT	ATAGAATACT	AGAAGTTATT	CCTCCCATCT
27451	AGCTATAATT	ATTATCCCTT	ATCCATTAAC	CTCTCCCTAT	CTCTCCTCCA
27501	CCCTATGCTT	CCCAGCCTCT	AATAACCACA	ATTCTACTCT	CTACTTTTAT
27551	GACGTATATT	TTTTTGGCTC	CCACATATGA	ATGAGAACAT	GTGGTATATA
27601	TCTTCTGTG	TCTGACATAT	TTCAAAAAAT	GTCTCATTTT	AAGTGTAGAA
27651	CTCAATGATT	TGTAGTAAAT	TTACAGAGTT	GTGTAACCAT	CACCACAACC
27701	CAATTGTAGA	ACATTTTTGT	CACCCCAAAT	GAGAGCCTTC	ATACTTCTTT
27751	ACAGTTAATC	CCCATTCCCC	CCACCCCCAA	AGCCAACCAC	TCATCTACTT
27801	TCTGCCTCTA	TAGATTCCCC	TTTTCTGGCC	ATTTTCATATA	AGTGGCATCA
27851	CCTGTATTAT	TTTCAGAGCC	TCCAGGACTG	TCATGTGTAG	CTCTGGTTAA
27901	GAACCACTGT	TACCTCCTAG	ATCTTTTTTC	ACTAGTTTTT	ATTTTFACTA
27951	TTTTTCTGAG	TGGCTCAGAA	AACTCAATAG	GCCCCTGCCA	GGGCTGTCTC
28001	TTAGATAATC	TGTGAGCTAA	ATGAGTCCTT	GTAAGTTGGA	CTGAGAAGTT
28051	AACATTTACA	ACCTGTTTTT	ATGGGGATGA	GCTTGTCAAA	GTCCAAATGT
28101	GCTGACCTAG	TTTGGAAGGG	AGCCTGCACA	ACCTGTCTTC	AGACGCTGTG
28151	CACCTCCCCA	GCAGCCATCA	GTACAGCAC	TGAGTCAGAG	CCCAGGTGTG
28201	GAGGGAGCCC	CTGACATTGT	GTGGCCTGGC	CTTGGGCACT	TTTGCTTTAG
28251	ACTTTTTGTG	TGGCTTTTCA	GCTCCTCCTA	GCCTCTGGCT	GCCTCACCAG
28301	AGCAGTAAAC	TGGACTCCTC	CTGAGCTCCT	TTCCCTTAGG	CAGTAGCTCT

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28351	ATGTGGATGT	ACTGTCTGCA	TTGCAATATT	TTGCAAAATA	TTTCTCACAT
28401	ATTTTTCGCT	GCTTAAATGA	GTTTTTAAAT	CTCAAACCTCA	GCTGCCTCCA
28451	GGTCCAAGCA	GGTACCATGA	GTGACTGGAG	CAGGCTGGGG	AATAAGGCAC
28501	TTGGAATGCC	TGAGAGGCCG	TTGAGGTGGT	TGGTGGCAGA	AGGGAGATTT
28551	CTTTCAGATT	TTGCTATAAG	CAAGAATCGG	TGGTGGAGCT	TTGAGACAGG
28601	CCACGTGGTT	AGAGCAGGGA	TAGCAAATAG	ATTCCATTTT	ATGTGCCAGA
28651	GGGGAAAAAG	CCAACTGACC	GAACAAAACG	CTGCGTGGGT	AAGCTTACAT
28701	GTGCAGGAAA	ACGATAAACC	TCAATTCAAT	TTAGGGTAAA	ATGTAACGTG
28751	TCATCTTAGT	CACTGGAATT	CAAATAATAT	TATCAAGATT	AAGTTAAGAT
28801	TGAGAAGGCT	TTTATTGTCA	TTTAAAGTAA	AAATTAAATG	TTATAACCCCT
28851	GTCCTAGAGA	AGCTGTAAAT	ACATGGGCAA	AATACCATCA	TTTGGGGAAA
28901	TAATGCAGAG	TATAGAACTA	TTAGATCTAT	TTTTCCACG	TCATTGCCAA
28951	AATATTTTCT	GTTGAATCAT	TTCCCCCGT	TAAGTATCCT	TTTTCTTTTC
29001	AGTGTTAGGC	ATGGGAACAA	TTTTTTCCCA	ATAACATCCC	TTTAGAGTTC
29051	TGTAAACTCT	CTTACGGCTT	TTAAACTGCT	TTGTGGCAGG	TATAACAAAT
29101	TGCTTCATTT	TTAAAGTTTC	AGAGAGTCGT	TTATTTTAAA	AATCCAATTA
29151	AGTAGATTTT	AGATTCTCTC	CCAGAAATCT	AAGACGACAG	CTAATCTAAT
29201	GAGATAAAAC	AGTAAAAACT	CATTCACTAG	TCCTCCAGCT	CACTATGAAA
29251	TCAAACATATT	GCATCCAAAC	TGGGCTCAGA	GGCTCAGGTG	GATTTTGTA
29301	ACACTTGTA	CGGGAGGTGA	CAGTGTTCGA	CAAAATCAGA	TTCCCAGCAG
29351	AATGAAATCC	ACTGCCTAGC	CCTGGGTGGG	CTCTGTAATT	TCACTGTGAA
29401	TACAAATCAT	GTTGCATGCA	GTAATGTTTA	TGTTGTTACC	CTACATACAA
29451	TATTTCAGATC	CTTGGTAGAT	TAGTCACAGT	CTGTCTTATT	TCTCAAAAAT
29501	GCGTCAGATA	TTTCCTGGTA	ACTAGCATTG	AAAATGAGCT	CATTAAAAAT
29551	TCTCTCCATG	CTTCATTTTT	TCATTTTAAAT	TGACGTATCA	GTCACTGTGC
29601	AAGTGTAATA	GCCAGCAGAA	CAGTGATCTC	TCATGTGAAA	TTGTAAACCA
29651	AAAACCAACA	GCCCTGTGAG	CCCAGAGGCA	GTGGGAGCCA	TTGATGTTTG
29701	ATGCTAGTGT	TGGCGCCTCG	GCCACATATT	TGCCATCCTT	GGGTTGGGGG
29751	TGCTCTTGGT	GGTAGAAAGA	TGAGCCCCTG	CTCTCAAGGC	CCCAGAATGG
29801	CTGAAAGGAT	TGAAAAGGAG	CAATTTGGCA	AAAGTCTTGA	AAAGCCAGCG
29851	TCTCTCAACC	TCTGAAATGC	AAGTTGGGAA	AACGTAGAAA	TCCCCCTTCT
29901	GAGTAAGAAG	AATTTGGATT	TGGGAAGTGA	TTAAAAAGGA	TTGAAGTTTC
29951	ATGGGAAAAT	GGACTTCACT	TGTACATAGA	TCAGGGGTCA	GCAAACCTCTG
30001	GTCTGTGGGC	TAAATGCGGC	TGCTGCAGGC	TCAGAAATGGT	TTTGGCATTTC
30051	TTAAATACTT	GAAGACATTA	AAAGAGGAAC	AGTAGTTCAT	GACGTACGAT
30101	AATTAGGCAA	AATTACATTT	TCAGTGTCCA	TAAATAAAGG	TTTATTGGGG
30151	CACAGCCAGG	TCCGTTCAAT	TATACAATGT	CTGTGGCAGC	TTTTGTGCTG
30201	CAGTGGCAAG	CTGAGTCATT	ACATAGAGAC	AGTATGGTCT	GCAAGCCTGA
30251	AATGTTTATT	GTTGCTGAAC	TCTTGGGTAG	AGAACTGTGT	TTATTTAGGT
30301	CTTGTCCCGA	AATATGTTTA	TCAGTAGAGA	CCAGAAAGCA	AACAGTGATT
30351	AAAATACTTC	AGTGTTTTTG	AGGAGGTGAG	TGGATGGAGG	TGCGTAGGTG
30401	CAGGAGGGAC	ATAACTTCTG	ATTTCTTCCT	GTCACCAGTG	TCACCAGCAC
30451	TGGGCTGTGC	CTCCGCATTT	GGACTGAATT	ATCAGAGGCA	GCCACCCCTG
30501	TTCATTTTGG	CAGCTGCTGC	TTGCCTATGA	GGCAGAATGT	CGAGGAAGAG
30551	AAAATACACC	TCCAGCCCAG	CCTCACCCAT	CCTCAAAGTG	ATTCTAAAAA
30601	GTTAGCTATC	AAGGTTTGCA	CCACATCCTG	CAAGAGTTAC	TAATAGAGAC
30651	CTGGGGTTGG	CCAGCATTTT	CTGTAAATGG	CTGGATAACA	AATATTTTGA
30701	GCTCTGCAGG	TCATACGGTG	ATGTCTTTCG	CAACAACCTCA	GTTCTGCTGT
30751	TGAAGCTCAA	AAGCAGCCAT	AGATAGCACA	CAAATGCATG	AGCCTGGCTG
30801	TGTTCCAGTG	AAACTTCTGT	AATACACTGA	AATGTGAATT	TCATAAAATT
30851	TTCATGTGTT	ACCAAATATT	ATTATTTTGT	TTTTTTCCAA	TCATTTTAAA
30901	ATAACCATTTC	TTCTGAGCTT	TCTGAACATA	AAAAATGGGC	GGTGAGCTAG
30951	ATTGAGCCTG	CGGGTATAGT	TTGCTGACCC	CTGGTTTAGA	TAAACTAAGT
31001	GTAGGCCCTTG	CTAGTCAGGC	CCTCTGGGTT	TGAATCCCAC	AATCCCACTT
31051	ATTAGTGCTG	GGGTCCTAGG	CAAGTTACCT	TTCAAGACCT	CACCTTCCCTT
31101	ATAGGTAAAA	TGGGGGAAAT	AGTGGTTTCT	ACCCAATAGG	GTTGATGTGA
31151	GAATTAGAGT	AGATGTAAGT	GCCAGCCCAG	TGTCTGGGGC	ATAGAAAGCA
31201	CCCAGCAAAT	ATGGCTGCTA	CTGTTGGGTA	TTATGAAGGC	TCAAGTAGAT
31251	CCCTACAGCC	TTGGAGGAAC	CGTTTGTGAT	GTGGAGGTTT	GACGGTCTTC
31301	AACTGTCTTC	AGTCCACAGT	TCAATTAGAT	TGAATATGAG	GCTGGAGGGT
31351	TTGGTGGTGC	TGCCTTGCTT	TCGTGCAGTT	AAGTAGAACA	TGGTATATCC
31401	ACAGAATAGG	TTAATGTACA	GGCATAAAAA	GGGAGGTGGT	GGAGTTGTAC
31451	ATCTGTATTTC	TGACGTGTAA	AAATGCCCTT	CGTGTCTCTA	TCTACCTGTG

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31501	TGCATCTGTG	TGTGTGTGTA	TGGGTGTGCA	TGTATGTGTG	TGTACGTATG
31551	TGTGTGTATG	TGTGTCCTTT	GAAATCAGCA	CTTCTCAGCC	TTGGCACTGT
31601	TGACATTTGG	ACCTGAAGTA	GGCAGAATAA	TGCTCTGCCC	TCCCAGAAACA
31651	TGTCCAGATC	CCCATCTCCA	GAATCTCTGA	ATGTCTTAGA	TTACATGGCA
31701	GAGGGGGACT	AAGTTTGGAG	ATGGGATTAA	AATTTCTAAT	CAGTGGAAAG
31751	GGAGATTAGC	CTGGACTAGC	CAGGTGGGCC	CAGTGTAATC	ACAGAGGTCC
31801	TTAGCAGTGG	AAGAGGGAGG	TCGCAGAGTC	AGAGGAAGAG	GTGACTGTGG
31851	CAGAGAGGCC	CAGAGTGAAC	CATACTGGCT	TTGACAGTGC	AGGAGGAGGC
31901	CAAGGAATGC	GGTAGACTCA	AGAAGCTGGA	AAGGGCGAGG	AAGCAGATGC
31951	TCCCCTTGCA	TGTCCAGGAA	GGCATTACAG	CCTGCTGCCA	CCTTGATCGT
32001	AGTCCAGGGA	GACCTGGTTG	GAAGTGCTGA	ACTCAAGAAG	TGTGATATAA
32051	TATACTTGTG	TTGTTCAAGC	CAGTGAAGTT	GTGGTGATTT	GTTACAGCAG
32101	CAATAGGAAA	CAAATCCAGG	GCTGGATCAT	TCCTTGTTCA	TAATTCTTTA
32151	TATTATTTAG	TGTGTGTGTG	TGTGTGTGGG	GTTGCATTTA	GGATAGTCAG
32201	TAGCATCCTG	GCCTCTAGCC	TACAGAGACC	AGTAGCATCT	CCCATCATGA
32251	CAACCACAAA	TGTCCCCAGA	CATTGCCAAA	TGTCTCTGG	GGACACAGTT
32301	GCCTCCAGTT	GAGAAGCACT	AGTTTAAATT	TAGAAAACAA	ATTGGGAAGG
32351	ATATATAACA	AATTCGTAAC	AGTACCCTTT	GGGATATGGG	ATTGGAGGAA
32401	TGGCTTTTAC	TCCTCTTTTA	ACATAAAATT	TTTAAACTG	GATTTTGCCCT
32451	CCCCCTACAG	ACATTTTTTTT	TTTATTTTCA	ACTGTGGTTT	TTTTTCCCAT
32501	TTTATAAAAA	GATTAACCTT	GAAAGGTAAT	ATCACATTTT	AATTTTAGTC
32551	ATTATGGATT	TTACTGTGGA	AGGCAGTTCT	ATACACCTAT	GGCTGCTTTT
32601	CAACCTAGTT	TTATTGGATT	TTGTTTGACA	TTGTGAATGT	CCTTTTTCCC
32651	AAAGATGTGA	TAGACATCCA	TTCATTCATT	CAGTGTGTAT	TTCTTTTTTT
32701	TTTTTGAGAC	GGAGTCTTGC	TCTGTCGCCC	AGGCTGGAGT	GCAGTGGCGC
32751	AATTTCAATC	TCAGCTCACT	GCAAACTCCG	CCTCCCGGGA	TCACACCATT
32801	CTCCTGCCTC	AGCCTCCCGA	GTAGCTGGGA	CTACAGGTGC	CTGCCACTGC
32851	CTGGCTAATT	TTTTTTTTGT	ATTTTTAGTA	GAGACGGGGT	TTCACCGTGG
32901	TCTCGATCTC	CTGACCTCGT	GATCCGCTCG	CCTTGGCTTC	CCAAACTGCT
32951	GGGATTACAG	GCGTGAGCCA	CTGCGCCCGG	CCTCAGTATG	TATTTAAGTG
33001	GCAGGAAGGT	GCTGAGCTTG	CCGCTGGGGA	GGAGTGATGA	CTTTAGAGCT
33051	CTCTCTCTGC	CCTCATGGAA	CCTGCTGTCT	AGCAGGGAGG	AGGACGGTAG
33101	TGCTCATTGT	TTGGAAGACC	ACAGCCTGCA	TTGATCGCGG	GGACTTGAGC
33151	ATTCGTGTCC	ATGGTTTGGG	AGTCCCTGGC	TCCCATAGTA	CATGTTTTAT
33201	GAAGGAAACT	ACCAGAAATC	CATGATTAGA	GATGGAATAT	ATCAGACCAA
33251	TTGGAAATTT	TCCTTTGACT	CTCACCTGGT	CTGAGCATCT	TCTGTCTTTT
33301	TGGTACAGTG	AACTACTCCA	GATTGAAAAC	ATTTCTGTTT	TCTCCTTGCC
33351	TGGCAAGTGA	GCTCAGTGAA	ACATCCTATT	AGCCACACTG	CAGGGTTGGA
33401	CATTGCCACA	CCAGGTCAAG	GGAAAGTGGC	ACTATGAAGG	CCTGGGCAGC
33451	ACTGCTGCTT	TGAGAATTAC	GAGGAGAAAA	TCTGTGCTTT	ACCAAAAAGT
33501	AAATTAAGA	TCCTGCCTGG	TATCAGCCTT	GCTTGAGTGA	CTAGTAAAAT
33551	TGAGAATAG	CTTCATAGGA	AAAAACAAAC	CCCAGAGTAA	AATGGCGAGT
33601	GGGAAGTTCC	TTCTGATTC	GTATTGTTTT	TCCAGTTGCA	GACAGGAAAC
33651	ATTCAGTGTG	GTTTTCAAGC	CCAGAACGTT	GGACACAAAG	AAGGCTCTGA
33701	CAAAAGCAGT	AAAACCCATA	TACAAAAAGT	TTAGGAACAT	GGAGCAAAAT
33751	GTCTGATTCA	AAACAATCTA	GGCTGGGCGC	AGTGGCTCAC	GCCTAGCACT
33801	TTGGGAGTTG	GAGGCGGGAG	GATGGCTTGA	GCTCAGGAGT	TTGAGACCAG
33851	CCTGGGCAAT	GTAGTGAGAA	TCCATCTCTA	TAAAAAAAAT	TTTAAAAATT
33901	ACCTGGGCAT	GATGGTGCGC	ATCTCTCGTC	CCAGCTACTT	GGAAGGCTGA
33951	GGTGGGAGGA	TAGCTTGAAC	CTAGGAGTTC	AAGGCTGCTG	TGAGCTGTGA
34001	TCAGGCCACT	GCACTCAGCA	TGGGAGGTAG	AGCAAAACCT	TGCTTTAAAA
34051	AAAAAAAAT	CTGGCCGCGT	ACGGTGGCTC	ATGCCTATAA	TCCCAGCACT
34101	CTGGGAGACC	AAGGCAGCCA	GATCGCTTGA	GCTCAGGAAT	TTGAGACCAG
34151	CCTGGCCAAC	ATGGTGAAAC	CCTGTCTCTA	CTAAAAATAG	AAAAATTAGC
34201	TGAGCGTGGT	GGTGTATGCC	TGTAGTCTCA	GCTACCTGGT	AGGCTGAGGT
34251	GGGAGTATCA	CTAGAGCCCA	AGAAGCAGAG	ATTGCAGTGA	TCTGAGATTG
34301	TGGCACTGCA	CTCCAGCCTG	GGTGACAGAA	CGAGACCCTG	TCTCAAAAAA
34351	AAAAAAAATA	AAAAAAAATA	TATATAAAAA	AAAAAATATA	TATATATATA
34401	TATGATTTAT	CAAGTATTAT	TTTTTATGAT	TGGATCACTT	TGTCTACTGT
34451	TTTTTTTTTG	TCTATAGATG	TCTTGACGAA	TTCAGTCTCT	TGCCCCCTGC
34501	CTTGCTTTAA	TAAATTACAA	AAACTCAACC	AAAGATAACA	CTTCTCAGAA
34551	AAAACCAGCA	CATTTCTGTG	GCCTACGTAC	ATGGCCTATT	GAATGGCCTA
34601	TTGAATGGGC	ACCTTGGCCG	ATAGTGAAT	AATTGCTGGA	CTTCCATAT

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34651	CTCTGGTAAA	GGTGAACACT	GCAAAACAGT	TCACGATAGG	AAGCACCAAG
34701	GCTTGGACCA	GTCACAGTGA	TGAGGGAGAT	CAGGTCATTT	GGACCACATT
34751	ATTGGAATAG	ATGGAGACAG	TACCAAGGCC	TGAAATTAAT	GATGGAGAGT
34801	CCACAGGCCA	GCAAGAATC	TTTGTGTGAG	GGAGCCATTC	CAGTTTGTGT
34851	ATTATACTCC	ATAGTCATGA	TTTGTCACTT	AAAAGTAATT	CTTCCCAATT
34901	ATAGATCACT	TTTAATCTCT	AGTTGGGTTT	GGATTTTTTT	CTACACATTT
34951	TTTTTTTGT	TTTTTGAGAC	AGAGTCTTGC	TCTGTTGCCT	AGTCTGGAGT
35001	GCAGTGGCAC	GATCTTGGCT	CACTGCAACC	TCCGCCTCCC	AGGTTCAAGC
35051	AATTCTCGTG	CCTCAACCTC	CCAGGTAGCT	GGGACTACAG	GTGTGTGGCA
35101	CCACATCTGG	CTAATTTTTG	TATTTTTAGT	AGAGATGAGG	TTTGTCCATG
35151	TTGACCAGCA	TGGTCTTGAA	CTTCTGACCT	CAAGTGATCC	ACCCACCTTG
35201	GCTTCCCAAG	TCTCTGGGAT	TATAGGCGTG	AGCCACCACC	CCCAACCTCT
35251	AAAATTGATT	TAAAAAATA	AAATCTAAGC	CTGCAAATCT	AAAATTGATT
35301	TTATTAATGT	AATATATATA	TAGCCTCCAC	AAACACAGGA	AACAAAGGGG
35351	AAATTTCTTT	TAAACAGTA	CATTAACATT	TTTATATAAT	ATATTCAATA
35401	TAGTTTTCTG	CCTCCAGACC	TTTTTCATGT	AAGTACCTCT	AAAGCAGAGG
35451	GTCCAGTTAA	TTTGAAAAAA	ATGGCTGGAA	ATACACTGAT	TTTCTTTACA
35501	TTTTAGATAC	TCTGAGGTAT	GTTTTCTGTT	GTGCATTTGT	AGAGCTTGAC
35551	ATTGGACCAA	TTCTTTAAGT	TAGGCACACT	TCACCCCTGG	CCATATCAAT
35601	CAAGCATGCT	ACTTAAAAGT	GTAAGTAACA	TGCTATTTTT	AAAAAACCTC
35651	AAAAGTGTGA	TTCATGTAGT	TTAAAAGTGC	AAATAATATA	GTAAAAGACT
35701	TACCACAAAA	TACGGTGGGT	TCACTCCCTA	CTCTCTGAGA	TTTCCCAACT
35751	CCAGAAGCAA	CTACTTTGAA	ATATTAACAG	TTTATTTGTA	CATTTATTCA
35801	TATTCATAAT	TATAAGTAAT	ATGTGTAAAC	TATCGTTTGG	GTTATCAAAAT
35851	TAGTTACTGT	CTGTTGACTT	TCTGTTCTGA	TAAATGAGGG	TTTAGGGCCC
35901	TTTCCCTCTG	CTTCTGCTCC	CCCCATCCTT	TCAATACAGT	TATAATTTTT
35951	CATTGTATTA	CTATTTGATA	TTTATATTAT	GTCCAATCAA	TTATTTGCAG
36001	CTGAGCATA	TAGTTACTAT	GACTATCTTT	ATGTTTCCAG	TGGACTTTTT
36051	GTTTTTCTCT	AAGTTAATAC	TTGCCTCGTT	TTTATGTTTG	CTTATTTTTC
36101	TTTGTGGCTG	TTGCAGCACT	GTGCTCATAA	CTGTTTAACA	ACTGCCAAGC
36151	TCCTATTTGA	ATTGTTTGCA	GTTGTTTATG	TTTTTGATTT	CAAGTACCAG
36201	TGTGAGGTTA	CTGAGCAAGG	AGTTGGGAGA	AGATGCACAT	GGTTGGTTGG
36251	TCTGAGTTGG	CTCTAGCATA	CCTCTGAGCT	ATTACTAACT	TTCCACATC
36301	TGCTTATAGC	CCACATTGGG	ATTGTAGAGC	AAGTTCTTCT	CTTCTTCTGT
36351	TATTTTTTAA	AAAATAATTT	GCTCTGAAAA	AGGACATATT	TGTTCTGATT
36401	CTCAGGTTGA	ATCTCTTTTT	TTGAACTTGT	GAAAATTTTA	ATAGGCCTTG
36451	AGACTTCTCT	GTGTATACTC	GTACTTACAG	AAGGAAGTCA	TTTTAGAGTT
36501	GAGGTGGATT	CTGTGAGAGG	TATACAGGGC	CCTGTCCAGA	TTTGGGGGTT
36551	TTGGCTAGGG	AAGAAAGGCA	AAAGTTACCC	ATTCCCTGGT	GGCATTTTGC
36601	TAAAGGAGGG	ATGAGGCATT	GGCGAGAGGA	ATGGGGGCGT	CTAATGGTGA
36651	AACATGACG	ATCTCATGCC	AGGTGTGTTC	TTGCTAGGCT	GACTGTCAGG
36701	TTTCTTTTTG	AGTCTGGTTC	TTTGACCTCA	TGGTCAGCTG	GGGCCCTGCT
36751	TCCCTTCCCT	AACTGGTATG	ACTACCTGTG	TTTGCTCTT	CAGCAATGCC
36801	TGGCACCCTG	CTTGCCAAGC	AAGGCTTAGG	GTAGCATATG	TTGGCCTGTT
36851	GCTGGTGGAA	CCTTTTCATA	GAGTTGAAAA	TTGGCTGCCT	CTGGAAGCTG
36901	GGGCCCTTGG	TTTGTCTCTA	GGCCCTGATC	CTCTGGCCCT	GGGAAGTATT
36951	TGAGTCAGGT	CAGCATTCCA	GTTTCCTGCA	GAAACTGGTG	AGTGAGCCAC
37001	CCTGTAGGCA	TCTCCAGGTT	GACTGGGACA	GTGCCATGAT	GACAAGTGTT
37051	AGAATCCCCC	ATGGCAATGC	CCTGTTCTGG	CTAACGTGCC	ATTGCCTTAA
37101	GTGTAGACTG	GAGGAGCTGT	GCGCTTCTTT	CCCTTGCCCA	CAGTTGGCAC
37151	TACTCTGAGC	TTAGCAGCAT	TTCGAGGTCA	TTCTAGGGGT	CTCATTTACT
37201	TTCTGGCCCA	AGAGCTTTTT	CTGCTCTTGC	ATTGGTTCCC	GGCCAAGATC
37251	ATACAATCCC	TGTTCTGAAT	TTCCGGTTCA	TTGACAGCCT	TCCCCTGACT
37301	CCCTTCACTG	TTTCAAGCTG	AAACATACTT	TTTCTTTCTC	TTTTAAAAAT
37351	TTCTTTCACG	CCAGGCGCGG	TGGCTCACGC	ATGTAATCCC	AGCACTTTGG
37401	GAGGCCAAGG	TGGGCGGATT	ACTTGAGGTC	AGGAGTTCCG	GACCAGCCTG
37451	GCCAAACATG	CAAAACCCTG	TCTCTTCTAA	AAATACAAAA	ATTAGCTGGG
37501	CGAAGTGCCA	CGTGCCTATA	ATTCCAGCTA	CTCGGGAGGC	TAAGGCACGA
37551	GAATCGCTTG	AATCCGGGAG	GTGGAGGTTG	CAGTGAGCTG	AGATCACACC
37601	ACTGCAGTCC	AGTCTGGGCA	ACAGAATGAG	ACTCTGTCTC	AAATAATAAT
37651	AATAATAATA	ATAAAATAAA	AATTATTATG	GTCTGACAGT	TGAGACTCCG
37701	CCAGCTCGGA	ATGCCCCCTT	CTGATTGCTG	GCCACCGTGT	TGGTTTAATG
37751	GAAGGGTTGA	TGAAATTAGT	AGTAGTTCAA	AGCATAGCAG	AGAAAGTTGT

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37801	GGAAACACTT	AGTTTCTTTT	CAAAGTAAGG	ATGGAGAGGA	AATTTGAAGG
37851	AGGAACTAAT	TGTTATTGTG	TGTGGTGGTC	TAGGCTTGCA	TCTTTGCATA
37901	ACGTTTCTGG	TTGTGAAC TG	AAGTTTAA GC	TTCTGTAGAA	CAGTGTTTTT C
37951	TCAAAGCCAT	GTCTCTAGAC	CTCCTGCAAT	GGAATTCTGA	GCAAGGAGTG
38001	GCTGTTAAAA	ATGCAGGGTC	TATTGAATTA	GAATAGAATA	TCCAGAGGGA
38051	CCTGGGAAAT	GGCATTTTAT	ATCAGCACCT	GCTGCCCTTG	GTGATTCTGT
38101	GCCTGCTCAA	ATTTGAGAAC	CACTACTCAG	GATCATTTGT	TCTTGTTTTG
38151	GGCTGCTATT	CCCCACAAAG	TTTTGCTTAG	TTATTTTTCT	TTGGTTTTGC
38201	TTAAATTGCT	CTCTGATGTA	AAAATTGGTA	AACTGCCCCT	GCCAACCCTT
38251	CTAAATTTAT	TTCTGCCTGT	TTTGCTTTAA	ACTCCAGGCT	AATAATTATT
38301	AAATTTTAGG	AGTTGCCTTT	CATTTTTGGA	TTTCTAACTC	TGAATTTTTA
38351	ATTTTTCCTA	CAGAGCTGAG	AAAACAGAAG	TCCTTAGTGA	AGATCTATTA
38401	CAGTAAACAA	AATATAGTCT	CCTTTAAATG	ATCTGTTTAA	AGGATGGAAA
38451	AAAATTCCTA	TGTGAGAATT	GAGGCCTGTG	GGCTTTTTTT	TTTTTTTTTT
38501	TTAACCAGAA	ACAGAATAAA	ATTAATTAGT	GTGATTTTGA	GCAGGAAAGA
38551	AAACAGTTTT	GTTGCATGAT	GATGAAAAGG	GGATCTGAAA	CCCAGCTACC
38601	TGGGTTCGAA	TCTCACGTCT	GCGCTGGTTA	GCTTTGTGGC	CTCAGGGATT
38651	TACTGAACTT	CCCTGCGCCT	CAGTTTCCAC	TTCTCTAAAC	TGAGGGAAAAG
38701	GCCTTATCCA	CCTCACAGGT	TGTTAGGAGG	GTTTAATGAG	TTAAGCAGGA
38751	ACAGCACTGG	GAACGGAGCC	TGGCACGTGG	TAAGTGCTAG	ATATTAGTGA
38801	TCTATTATTA	TTACTGCCAC	TGCAAGCCAC	AGAGACTGTC	TGTTTCTGAC
38851	GTGAAACATC	CCTTGATTTG	CCCTGTGTTC	TTCTGCCTTT	TTTTCAGTCT
38901	CTGTTAGAGC	AGTTGTGTGG	CATTTCCCCA	GGGGGCTGTG	CATCCCAGCG
38951	GGGCAGAAC	AGCATTTATT	TGCTGTTGAT	TCTTGAATAC	CTTGACAGG
39001	AACTCAGTAG	ACATGGGCCC	TCTCAACGAA	TATTAATGA	GCACCTTCTG
39051	TTTCTGTGAA	AGATAACGTC	CCAGGCACTG	GGAGAAATCA	GTGAACAAAA
39101	CAGATCCAGG	CTTCTGTCTT	TGTGGAGTTT	ACATTCTAGT	GGAAATTGGA
39151	ATCAAAATTA	AATCATGGAA	TTTGTTTCATT	TTTTGCTTTT	CTCTGGTGGC
39201	AAATGAATGT	GGATTAGTTT	TCTAATGTTT	GAAAATCTGG	TCATTGCAAG
39251	ATTTGGGGAA	GGTAATGTGG	AATCTGCTCC	TAAATCTCCC	ATTGCCTGCC
39301	AGCCCTGAGT	CCTGGGGCTA	TGGGCTTGGA	TCTGAAGAAA	CGCTGCCCTT
39351	TTGAGAAAGA	GGCACAGACC	ATCTCGATGC	GTAATATGGT	TTGGGGTCAA
39401	ATGTATTCTG	TTTTGAATTT	GTTGATTTAT	CTTTAAAATA	GAAAGCATCC
39451	CAAAGGGCCT	GCTCTCATTC	TTCATGAGTC	ATCAGAATAC	ACATTTTTTG
39501	CATTCCCTTCC	TGTAAAAAGC	GGCTCTCTTT	GCCATAAACA	GCCATATTCT
39551	AGCAATAGTA	TTTTGGGAAG	CTGCTTATGA	TGCGTGGGTC	CCCTAAGTCA
39601	GTGTTTCTTA	TTGCTGACTG	TCCATTCTGC	TTTAGAGGTT	TATTTAAAAC
39651	ACACACACAC	ACACCCAAAA	CCCAATAAGG	AATAATTTTG	AAAACACAGA
39701	TCTTGCAGTT	AAATTGTGGA	ACGTTTATTT	TGCTGCTTCT	GTCTGATGTA
39751	CATTGTGTGG	AAGGCTCAGT	TGCCATGAAC	TGGAGAGAGC	TCTTTGGCAT
39801	CTCTGGTTTT	TCCAGTTTGG	CAGTGGGTCT	GGGCCCGGAT	CATTCATTTT
39851	CATTTCTGCC	TGGTCCAACC	TGGTGCTTTT	CTGGTGCTGT	AGTGTGTAAA
39901	CTGACTGGCG	CCACTCAGTG	TGATAGCAAG	GTGTAGCCAA	GATCATCCCT
39951	TTTCCCTGCA	TGTAGATTCA	GCCATGCTTT	TCCTACCAGC	ATGCAGACAC
40001	CACAAAAGAA	AGAGATGAAA	TTTGTTCTCT	TTTGCTCTCG	CCTTGTGAGA
40051	TTGAGAGACG	CCTGGACACG	GTGCGGTCAA	TATGCCACCA	TTCCCATAG
40101	CGCTTGGTGG	CATGTTTCCA	GGGCCAGCAT	GGCACCGATG	CCGAGAGGAG
40151	ACACGTGAGT	ATCAGATGTG	ACTCAGACCC	ACAGTTCCTG	CGTCTCTCTG
40201	AGGCTTTTCA	ACCCCTGGAT	TGGTTGGTTG	TCCTAAGTGG	CATCAGTGGA
40251	TCAGCCTTTG	GTGACTTCTA	TCACCAAGCA	CGCTCATGAC	ACCTGCGTGA
40301	CCATAGCATT	CTTTTGTGTT	TAAGACATCG	CTGGGCTGGA	AGCCCTCCTT
40351	ACACGGAATC	TTCTCCAGGT	GCTTTTAAAA	GCTCCACGAT	CATGTGTCAT
40401	TGATAAGAGA	ATGGCTGTGT	CGGTTATGCA	TCTTTTGCTG	GCAGAAAGCG
40451	GAAAGCCTGT	CTTAAATTGA	CATTGAAGTA	GAAGTAATGT	ATTGGTTTGC
40501	TAACTGAAAA	GTCCAGAGGT	TGGGATGGAC	TTGAGGTCAG	GGTTTATCTA
40551	ACATTTTCAGT	AATGTAATGA	AAAACCCAGT	TTCTTTCCCT	CTCTCTCCTG
40601	TGCCCTCAGT	GTCTGCTTTG	TCCCTAGACA	GGCATCCTCA	TGATGGCAAG
40651	TTGGCTATTG	GCAGCTTCTA	TGGGCTGCTT	GTTCCCTGAG	TGTGGCCAGT
40701	GGGAGTAGAG	AGCCTCTCTC	CCAGTAGTTC	CCCTCCCTTC	CCCTCTCGCC
40751	TCTTTTCTTT	TTTTCTTTTC	TTTTTGCTTC	CCTTCCCTTT	CCCTTTTCCC
40801	CTTTCCTTTC	CCTTCTCTTC	TCTTCTTTT	CTTTTCTTTC	CTGACAGGGT
40851	CTCACTCCAT	GACCCAGGCT	GTAGTGTGGT	AGTACAGTCA	CAGCTCACTG
40901	CAGCCTCAAA	CTCCTGGGCT	CAAGAGATCC	TCCTGCTTCA	GTCTCCCAAG

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40951	CAGCTGAGAC	CACAGTACAC	ACCACCATGC	CTGGCTAATT	TTTTAAATTT
41001	TTTTGTAGAG	ATGGGGATCT	TGCTTTGTTA	CCTAGGCTGA	TGTAGAACTC
41051	CTGGCCTCAA	GCAGTCCTCC	CACCTGGGCC	TTCCAAAGTG	CTGGAATTAC
41101	AGGCATGAGC	CACCATACTT	GGCCCCAGTA	GTTTTTCTTG	ATGGAGTGAG
41151	AAAGCTGCTT	TTTCCAAGCT	CTTGGCAGAT	TGAAAGCGCG	TTCCATTGCA
41201	TTGATTTGTG	TGGAGTTACA	TTCCCCGTTT	TTGACTGTTT	CTGTTCCACC
41251	CTAGTTACCA	TGGATAGGGG	GTGAGGTGGG	GTGAGGAGAT	GGGATGTGCC
41301	GATTGGTTTA	AGTTAGTTTG	CCCCAGACCT	AGAGCATGGG	CTGTGGTCCT
41351	ACTCCTAGCT	CATAGACTTT	ATCAAGGCCA	GGGTAGATCC	CTGAGAAAAA
41401	TCAGGATACT	AGTATAGAGA	GGAAGAGGGA	TGGA CTCTAG	GAGAGCCATC
41451	CGGTGTCTTT	TCCAAGGTCC	ACTTGTTCAG	AGCGTTCAGT	TCCTAGGTAG
41501	AGCCAGTGGA	GCACAGCAGC	CTTTGTTCAT	GAGGGAGTTC	CATCCTTGCT
41551	TTTACAAGTC	CCCAGCTTAT	GAGCATGCGG	TAAACCTTAG	ACCCCATGCA
41601	ACATTGAAGT	GACAGTTTCG	GTGACACACA	GGGAAGCTAT	GATTTGGTGT
41651	ATTGTCACCA	GGTGTCTCAA	AAGTGAGAAC	TATTAATAGT	ATGCAGATGA
41701	TCTGTGTTAC	CCTTTTATGT	TTCCTACAGA	CTTTTATGGG	GCACCCTGGC
41751	AGCAGGGTTT	TTCCACTCTT	GCACAACAGT	GAGGATTCTG	CAATCATGTC
41801	TGTCATAGGA	ATGGAAGTTT	GCATACACCT	ATGCTTCCAC	ACTTGCCTCA
41851	AAGCTCTGTC	CCTCGGAACC	AGACCCAGCC	TACTGGTTCT	GCTTCCTGGA
41901	GCTCCTTGTC	CTTCTGTTGC	CTTCTTCTGC	TCTGCTTACC	CTTTTCACAT
41951	TGTTTCATTA	AGTTCTCTGC	TTCTCTTATT	CTCCAAGTCA	TATTCTCTGG
42001	GCCACCTCCT	CTGTTCTTAT	GGCTTCTAAC	TGATGTGTTT	ATGCCAGTGA
42051	CTTCTAAGCC	ATTTTCAACC	AAGCAAAAAA	CTTCCTCTCT	TAGATGTCTA
42101	TTCTAGCATG	CATGATCAGT	TCTTCTTCTT	GTGTTGACTC	TCTGAATTCC
42151	ATCCACCCTT	TTATGCAGGC	TGGAAACTGG	GGGGCTTCTT	TATATTCTTT
42201	GTTATTTTTT	ATTTTCAAGA	CAGGGTCTCA	CTCTGTGTGC	CGTGCTGGAG
42251	TGTAGTGGCA	CGATCCCGGC	CCATTGCAAC	ATTAACCTCC	TGGGCTCAAG
42301	CCATCCTTCG	ACCTCAACCT	TTAAGTAGCT	GGGACTACAG	GCTTGCGCCA
42351	CCAAGCCTGG	CTAATTGTTT	GTTTGTTTTT	TTCGTAGTAG	AGATGAGGTC
42401	TCATCTGTTG	CCCAGGCTGG	TCTTGAATC	CTGGGCTCAA	GCAGTTCTCC
42451	CGCCTTGGCC	TCTCAAAGTG	TTGGGATTAC	AGGCATGAGC	TACTGTGCTG
42501	GGCCTCGCTT	TTATTTTATC	CTCCAAACCC	CATAACTGCC	TAATTAGAAA
42551	GTCCTTTGAT	TTCTCTCTGT	GAATATTTTA	AATTGCTCAT	CTCCATTGCA
42601	TCTCTACCAC	CTTGGCCTTA	ATGCAAGACC	TGACTCCCTC	TCACCTGGAC
42651	TGTGTAGTGC	ACCTCCTGAG	CTACATTTCC	TGTCTGTAAT	TTCTTTTCCA
42701	GTCTGTCTTC	AACCTGATCA	CCAGAGTCAA	TTTCCTGAAA	CACAAATCAA
42751	CCCTATTATC	CTCCTGCCTA	AAAAAAAAAA	TCTTGGCTCA	GTGGTCTTTA
42801	ACAGGGACCA	GAATTACACC	CCTGGGGGCA	TATGGAATG	TGTAGAGACA
42851	GTTCCGGTCAT	CACAGGGACT	GGCAGGCACC	ACTGGCATT	GGAGGGTGAA
42901	CCGAGATGCT	AAGCATTTTT	TGTTTGTTTG	TTTGTTTTTT	GAGATGGAAT
42951	CTTGCTGTGT	CGCCAGGCT	GGAGCGCAGT	GGTTGATCCC	GGCTCACTGC
43001	ATCCTCCACC	ACCCGGTTCA	AACGATTCTC	CCACCTCAGC	CTCCCGAGTA
43051	GCTGGGACTA	CAGGTGCACG	CCACCAAGCC	TGGCTAATTT	TTGTATTTTT
43101	AGTAGAGACA	GGATTTACCC	ATGTTGACCA	GGCTGGTTTC	CAACTCCTGA
43151	CCTCAAGTGA	TCCCTCCCTC	TCGGCCTCCC	GAAGTGCTGG	GGTTATAGGC
43201	GTGAGCCTCC	GTGCCTGGCC	AAGATGCTAA	ATGTTTTGTA	GTGCCTGGTG
43251	AAATAGTTCC	ACACAGGAAG	TATCTTAATG	TTAGAAGTGC	TTCTTCTGAG
43301	GGACACTGGC	TGGTTCCCAT	TGCCTGGGAT	AAAGTCCACA	CTCTTTAGAT
43351	GACTTAAGCC	CTTTCTCAGC	TGATTCCATT	TCTCCTTATC	AGCTTCATTG
43401	TCTCCTGCTG	CTTCCCCTTC	ACACCCCTGT	CCAGCCACAT	AACACTCACC
43451	AGTCCCCAAA	TATGTCACTG	TCCCTCACAG	TTCTATCTAG	TTCTGTGTTG
43501	CTTCTTGAG	ACGCAGTCCA	AGACATATAT	TCAATAGAAA	CAAATATTTA
43551	TCAAACACCT	ACTGTGTACA	AGTGCTGGAG	ATATAAAATG	AATGAAATGT
43601	AAGTTTTTCAT	GGTCTCATGG	GGGAGATACA	TACAAATGGA	TCATTATAAA
43651	ACAAGATGCT	CAATAAAACA	TGCACAGGGT	TTTATGGGGG	GCCCAGAATG
43701	GGTACCAGAG	GAAGAGGGAG	GTAGTTAGGT	GAGGCTTCCT	GGAGGAGGTG
43751	GTGTCTGCCC	TATAAAGGAG	GGAAATTAGT	GGCAGGTGGT	GGGAATATTC
43801	CAGGCAGCTG	GGGCAAAGTG	CTTGGCCCTC	ATTTCTGAAA	CCTAATGCTT
43851	TAGCTTTCCT	TTTCCAACGT	CAAACGAAAG	TGCCAAAGAC	AGGGCTTTGA
43901	GGATGCCTAC	ACTTTGCACT	TGGGAAGAGG	AGTTACCACA	ACAATGGTGA
43951	GAGAAGACTA	ATATGGAGAA	AATTGCAGCA	GTCTCCAGGG	CTCTAGAAAA
44001	CACAGGAGGA	ACCTCCCAAA	GGCCTCATAA	CATGCTTCCT	GCATGGGAAG
44051	AGGCAAGAAT	AGAAGGGAAG	AGAGAGACAT	GAGGCAGGTG	ACCTTTGCAG

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44101	CCCAGCCACC	ATTGACATGG	CAGAACTGTC	GTGGGTCAGA	TAAGATAGAT
44151	TATTAGATTA	GAGAATTATT	TCTTTTTGTG	CGATTGGCAT	GCATTTTACA
44201	AATTAAGTCT	TTAGAGCATT	TAAAATTCAT	CCCTGGCCAG	GCATGGTGCT
44251	GCACTCCTGT	AATCTCAGCA	CTTTGGGAGG	CCAAGGTGGG	TGGATTGCTT
44301	GAGCTCAGGA	GTCGATACCA	GCCTGTGCAA	CATGGCAAAA	CCCCGGAAGT
44351	GGGTTGCAGT	GAGCTGAGAT	CGCGTCACTG	ACCTCCAGCC	TGGGCAACAG
44401	AGCCAGACCC	TGTCTTAAAA	AAAAAAAAAA	ATTATCCCTG	ATGATAGAAA
44451	GCTGTTTACC	TCTAGGAAGC	ACGAAGCCCT	CCCTGTGGAG	GAGTTCAGTG
44501	TTGATACTTG	ATTAATGAGC	CCATATGTTA	AGCAGAGTTT	CCTTATTTAT
44551	GTACATAGGA	AACAAGATTG	TTGTGGCTTT	GGGGTCAGGT	TAGGGAAACC
44601	ACAAAACTAT	TTACAGCTGC	CATCTTGAGT	GATGCTTGTC	AAAAATAGAGT
44651	TTTCTATTAT	TTTTTTTCCA	TAGACTCCTA	GAGTTCCAGA	GTTGCACAA
44701	ATATTTGTCT	TGATTATTGC	ATTGATCTTT	AATAGGTATT	TAACCTCCTT
44751	TAGAAAGGCA	GCATAACCAA	AAGGTAGGAA	TTATCCCTTA	TTATTCTCAT
44801	GTCTTCCTTG	TCCAGAAATG	GGGCAGCTGG	GAATAGTCTC	CTTGTAGTGC
44851	AGATGGAGCC	CATTATTTAT	TTATTTGAAA	ATAATTTTGT	AGGAAGCCGA
44901	GGTGGGAGGA	TTGCTTGAGA	CTAGGAGTTT	GAGACCAGCC	TGGGCAACAT
44951	AGTGAGACCT	TGTCTCTACA	AAAAATTTAA	AAATCAATAA	TTTGGGGAGA
45001	GGGGAATGA	GTAAATGCCT	CTGTTTATTT	TTAAATTTCA	GCTTACTGTT
45051	TTGAATAGGT	TCTACATTTA	CACGGTCAAA	ATTTCAGAATA	TACAAAAGAA
45101	CTTACAGTGA	AGTGCCTCCT	AGCCCATTTC	CCCAGGCACC	CAGTTCCTTC
45151	CTCCAGAGCC	CCTGCTCTTA	GTAGTTTGTT	GTATAGCCTT	GCAGAGATAT
45201	TCTGTCCAGT	ACAAGCCAGT	GCATATGTGA	TTGTATCAGA	TGGAGCCCTT
45251	TGGAGGCACA	AGAGGCAAGT	GACATGTCAG	GGGTGGACCC	TGTGTTTTTA
45301	ACATGAATGC	CCTTTCTGCT	GGGCAGGTGA	AATTACATGG	GATGCTGCAG
45351	AATTGAAAGC	ATTTTTTTGT	TAGCAGATTA	TGACGTTATA	ACCAGCCCAC
45401	TTGTAATTGC	CAGGCCTCTC	CTGAGATAAG	CCATTGGCCC	GTAGGGAAGA
45451	CACTGAACAG	AGGCCCCGGC	CATCAGCACT	CAGGTCTGAC	TTTCTGCGT
45501	CTCCCTGGGA	TGCCTGGCCA	GGCCACTTGA	CCTCCTTCGG	CTTTGGGTTT
45551	CTTGACTGTA	TGATTATAAC	ATTAGATCAG	GTGATTCTGT	GGTCATTGCC
45601	AGTGGAATA	CAAACTCTCT	ATAGGAAAAT	GAGTGGCTTT	GTATTTAAAA
45651	ATATTACAAA	AAGTGGCTCT	TTAGCTAGAA	GTTTTTAGGT	ATTTAAATAA
45701	AGCTACATTT	TAGAATGATA	GCCAAATTAA	GAGCCAGTTT	AGACTGGGTG
45751	CGGTGGCTCA	TGCCTGCAAT	CCCAGAACTT	TGGGAGGCTG	AGGAGGGCAG
45801	ATCACTTGAG	GTCAGAGATT	TGAGACAAGC	CTGGCCAACA	TGGCAAAACC
45851	CTGTTTCTGC	TAAAAGTACA	GAAATTAGCT	GGGTGTAAGT	GGTGCATGCC
45901	CATAATCACA	GCAGGGGAGG	CTGAGGCACG	AGAATCACTT	GAACCTGGCA
45951	GGCGGCGGTT	GCTAGTGAGC	GAGATTGCCC	CACTACACTC	TAGCCTAGGT
46001	GATAGAGCAA	GACTCTGCCT	CAAAAAAAAA	AAAAAAAAAGC	CAATTTAAGA
46051	ATGAGTGTTT	TAGCAAAAGC	TTTTGAAATT	GAGCACTTCA	TTGCATTTAC
46101	CTGTCAGGAT	AACCATTTAG	AGAGCAAGGT	CTATGTCTCT	GTATGTCCC
46151	CAGTGCCTTG	AACATAGTGT	GCTTTGATT	ATTAATAATA	ATATGAACAG
46201	GCTGGGCGTG	ATGGTTTCATG	CCTGTAATCC	CAACACTTTG	GGAGGCTGAG
46251	GCATGCAGAT	CACTTGAAC	CAGGAGTTTG	AGATTAGCCT	GGTCAACATA
46301	CCCCATCTCT	ACCAAAAATA	CAAAAATTAG	CTGGACGTGG	TGATGCAGGC
46351	CTGTAATCCC	ACCTACTTCA	GTGGCTAAGG	CAGGAGAGTT	GCTTGAACCT
46401	GGAAGGTGGA	GACTGCAGTG	AGTCAAGATC	ATGCCACTGC	ATTGCAGCCT
46451	GGGTGACAGA	CTCAGACCCT	GTCCCAAAAA	AACAAACAAA	AATAATAATA
46501	AGCAGAACAA	CAACAACAGC	AATAATAATA	ATAGCAGCTA	ACATTTACTG
46551	AATACTTACA	ATGTGTTAGG	TACTTGATAT	GTTTTCTTTA	GTCAACAGAT
46601	AGCCCCAAAC	TGAAACAGAG	ATCATCATAC	AACATAATATC	TGTGAGACCA
46651	GAACCTGAAC	CCAGACAGGC	TGTCTCCTAC	CTGTGTAATT	TGCCTGGAGG
46701	GAGAAATTAA	TGAATGATGA	TCTGAAAAAG	ATCATTGAGA	ATGGGTATCA
46751	AATAATGAGA	AAAACACACA	CTGTCTTCTA	TCTTCCAGAA	AAAAGTGCCT
46801	CTGACAGCTC	TTGCTCAAAA	TATGCAAGAA	GCATCGACTC	AGCTGGAAGA
46851	CTCTCTCCTG	GGGTAAGAGT	TGCTGCCTTC	AGAGTGCCAA	GTGCCATGTA
46901	GATTGGTGGA	AGTGGCTGGG	CCAGGTGGTG	TATGTAGGAC	CTGTGAGAGG
46951	AACTGTGAGC	GTTGATGGCA	TGGCTCATCC	GCTAGGAGAC	CGGCTGAGAC
47001	TCCTTGGGAG	AAAGTGGGGT	CAAGGCCGCC	AGGTTGCTGG	AGAATCTTCC
47051	TTTTAGTAGG	TGTCAGGCTG	GAGTTGGATG	GCAGAAAGGG	CCATTAACAA
47101	AAAAGCAACT	GATAGGGTCA	ATGCCTATTC	CCCTAATCTT	GGACAGAAAG
47151	AATGTGGTCC	CTTCTGTGTT	CCAGGTGTTG	GCTCAGATTT	AGAAACTCTG
47201	ACCAGACCCT	TTCAAGTTCTT	AGTCACATCG	TTTACAGGCG	GTCACCAAAA

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47251 CGTCCATGGT AGTTATCTAA AAAGAGTGTA TTTTCTGAAT TACTTGGATT
47301 TTTTTTTTTT TTTTACAATT GTCATGTATT CTTTAAATAA TTTATATAAG
47351 TAAGAACAAA GCAGTTTTTA TTGTAGGAGG GAAGGTATAC CCTTCTGTCT
47401 GCTCCTGCAG CAAGGCTGGT GTTCTCTAGC CCTGTCTGCT CTCTCTGGCT
47451 GTGACATGGG CCCTGCTTCC CAGCAGGACG AGGCCTTCAG ACTTTTCAGT
47501 CCATTTCTCA GCGTCTACAG TTATCTCGCT GTCCTAGAAC AGTTTCCTCC
47551 CATTTCGTAC CATTCCCTTC TCCTGTCTGC TTCCATGTTT GGGGGCCCTG
47601 GGAGGAGGGT GGCCTGTGCC CACCTGCCAG CATCCTCCTT CCCTCCAGCC
47651 TGGAAATTTT TCCTGTTTGT GCTTCCACAT GCTATGGCCA TCCTCATCAC
47701 ACCAGAGTGA TACTGCGTGC TAGCATGGTT ATAAGTGTTT TCCAAGTAAT
47751 AGCTCATTTT ATCCTTAAAA CAACCTAGGA GGTAGGTCAT ATCAGCACTT
47801 AGAACCATGT TAACACACAA CATCACTCCC ATTTTACAGA CGAGGATACT
47851 GACAGAGAGG GCAGGGAAAT TGCCTGAGAC CCCACAGTGG GAGAAGAGCA
47901 AAGCCTGTAT TCAGACTTGG GCAGCTTGGC ACCAGAGAGC ATGTTCCCTGA
47951 CTATGACACC ATGGCCACCT CACACCAGGC AACGTGCATT TCTGGTGTCA
48001 AAAAAACCCC ATAGAGAGCT TGCAGGGGTG GAGGGGAAGG AAAGGAGAGA
48051 GGGAGGAGGG AGGGATAGAG ACTGTGGAGT TATATCACTG CACGTGTACT
48101 TTGTATGATA TCAGCTGCAT GTTCGCAAGC AAATAAAAAG GAAACATGAT
48151 ATTTATGTAA CAGGGCCCTT AAGTGTTAGC CAGCTAGCTC ATCTGCATAG
48201 CAGAAAGGGA GCCTGGCCAA GGCTGGACTC GCAGACATAA GATAACATGG
48251 AATGAACCTA ATGTCTAATT TAAAAGATCT TCAGAGTATT TTGTGAACAC
48301 TTGGCTTTCA CCTGACTTGA GAATTTAATT CTTGAGTAAT TTGTATTTTC
48351 ACTGTTTACA CATCTGTCTG CCACCCACAC ACACAAAGTG CATCCCTGAG
48401 ACAGTCATTT TTATTTTAAA GCACAAATCT GTGGACTCAT GTTTTAGGCA
48451 GTACCTACATA TTTATAATAT TTTCAAGGCT CGTTAGGTAG CACCCTAATG
48501 CGTTCCTGTT GTATGGCAAG CAGCACTGAT CCACACGATA ATCCAGTGCC
48551 TGATTTAATG AGCACGTGCT CGTTGTTGGG GGTCTTGTTT TTAAAGGAAG
48601 ATGCTGGAGA CGTGTGGAGA TGCTGAGAAT CAGCTGGCTC TCGAGCTCTC
48651 CCAGCACGAA GTCTTTGTTG AGAAGGAGAT CGTGGACCCT CTGTACGGCA
48701 TAGCTGAGGT GGGTGCTTCA CCGTGCAGCA CGGAAGAGCC GAGAGTGGTG
48751 TGGGCTGGAG AGTGAGTGT AAAATTTTAA CAGTAGTTGC TGGCTTTAAC
48801 ATGACCTTCT TTTTGAAAAT AAGGGGAGTC AATTGAAGGT ACAAATCCT
48851 TTGCCTTAGA GAAAAACGT TTGTAAATAC TTTAAATGG TTAACCTAAA
48901 AGCCCTGAAG TGCATCCCAT TTGGTATGTT CTTATTTTAA GGTGGAGATT
48951 CCCAACATCC AGAAGCAGAG GAAGCAGCTT GCAAGATTGG TGTAGACTG
49001 GGATTCAGTC AGAGCCAGGT AACAGCTTGA GCCAGCAATG CAGCATTGTG
49051 TCCCATTCCT ACCACGGGGG AGAAGACCAC TGACAGTGGC CACAATGGAA
49101 GTGCTACCCA ATTCGTGCAT TTGACCCCA GACTGGGTGC CAGCCTGCCA
49151 GCACCTCCTA TAGGCCTTGT TCTCCCAAGC GTGGCAGTGG GGATGTTGTT
49201 AGAACATCCT GTTCTTAGTG AGCCAGCAGT GAAAGGAAAT AATCTAAGGA
49251 AAATGAAGTG AGTATATTTA ACGGAAGAGG GGATGTTGGC AGTTTGTAGA
49301 GCACAACCTA GAGTGTAGGA ATAAACACAT CTGTGGCCCT AACAGCTCAT
49351 GAGGGTCCTG CCATGTCACA AACCCTGTGT ACTTGTAAATA CCTTCAGTAC
49401 CAAGGAAGGA GGCACCTACA TGGCAGGAAC TCATGTAAAC CTATGTAGCC
49451 AAATCAGCGC TGCTGATGTG GGGACTGATG CCAGCGAAGG AGTCTGTGAG
49501 GATTCAGAGC AGGACTGCTG CCTCTGCTTT GTCCTTGATG GAGTTTTTTG
49551 GCTTTTTTTT CTTTCCTTTT CTTTTTTTTT TTTTTTTTTT GAGTCAAGGT
49601 CTTGCTCTGC TGTACCAGGC TGGTGCGATC ATAGCTTACT GCAGCCTCAG
49651 ACTCCAGGC TCAAGTGATC CTTCTGCCTC GGCATCCCAG GTAGCTGGGA
49701 CTACAGGCAC ATGCCACAGC TTGGAGATGG TGTCTAGCTG TGTGCCCCAG
49751 GCTGGTCTTG AACTTCTGGC CTCAAGTGAT CCTCCCACCT TGGCCTCCCA
49801 AAGCGCTGGG ATTACAGCCA TGAGCCGTGG TACCTGGCCC TCAGTGAGT
49851 TTCTATCAGT GACTTACATG GCTTCTTCTC CAGGCATGTG ACAGTTGGGA
49901 ATAGGGAAC AGGCACCACC AGCCTCAGTC CTGTTTCCTG CTTTATCACA
49951 AGGGTTGACA AACCTCTTCT GTAAAGGGCT GGATAGTAAA TCTTCTGGT
50001 GCTGCAACCC AGTTGCTCCC TGTTGTAAC TCTTAACCTC GCTGTTGTAG
50051 CATAAAGGCA GCTGTAGGCA ATGCATACAT GAATGAGCAT GGCTGTGTTT
50101 CAATAAAACT TTATTTACAA TGTGTACAAA TCAGTTGTGA AGATGAGTCC
50151 TGATTTAAGA AATGTTGAGA TGAGAAAAGG TATATTTAGG AATTACACAC
50201 TGGTGAAGAC TCTGCTAGTG CAATTATCAA GTAACCTACC TCTTGCCACA
50251 TGCCAGAGAT CGAGCTACTT TCATTTTATG TCAGCCCAT TGAATCTCCC
50301 AGCAATCCCT GTTCATTTGT TCATCTGTGT TTTCAACTGA TATCAATTAG
50351 GTGCTCAGTG TGCACCAGAC TTTGTGCTAG ACTCTAAATG CATAGGCCTT

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50401 TCCATGTGAC TTGGAGGGAA CAGGGTAGAG GTTAGTGTA CATTCCTAC
50451 TTTTGAGAGG AGACTTGT TTACAGATAAG GGAGGGACCT GCATTTGTTA
50501 TCTATATGAC TTGCTTTGTG CCTTCAGGAG CATACATTGC AGTGTTAGGA
50551 TTCTGACAGC AAAGTCCACA GTCTCCTGGT CATGTGTACA TGTGATGTTT
50601 CCTGTACACT GGGCTGGAGT GCAGCGGTGT GATCATAGCT CACTGCAACC
50651 TCAAACCTCT GGGCTCAAGG GATCCTCCTG CCTCAGCCTC TCGAGTAGCT
50701 GCACACCACC ACACCCAGCT ACTATTTTTT TTTTTTTTAA GATGGAGTCT
50751 CTCTCTGTCA ACCAGGCTGG AGTACAGTGG CACAATCTTG GCTCACTGCA
50801 ACCAAGGTGC TGGGTTCAAG CGATACTCCT GTCTCAGCCT CCTTAATAGT
50851 TGGGATTACA AGCATGTGCC ACCACACCTG GCTAATTTTT GTATTTTTAG
50901 TAGAGATGGG GTTTCACCAC ATTGGCCAGG CTGGTCTCAA ACTCCTGATC
50951 TCAGGTGATT TCCCTGCCCT AGCCTCCCAA AGTGCTAGGA TTACAGGCGT
51001 GAGCCACTGC AACAGCCCC AGCTTTTAT TTTTAGTAGA GACCTGGTCT
51051 CGGTATGTTG CCCAGGCTGG TCTCAAACCT CTGGCCGCAA GTAAATGTCT
51101 CTTCTTGACC TCCCACAGTG TTGGGATTAC AGGTGTGAGT CATCACACCT
51151 GGCTGTACG TGTGATTGGA ATCCTGTGTA GCTGAGAGTG CAGGCCACCC
51201 TGCGATACAT CTTTGCTCAA GAGAAGGAAA AATATTCTAA TGATTAATTA
51251 AACCAAGGCG CAAATGCTCC CTCACTAGAG TTGGTTGAGC ATTATTATAG
51301 ATGTTTATCT GACAGGAGTT TTGCATCTTG AGTGCATGTA TCTCATAGGT
51351 GATTTTAATA CTGATTCTTG ATCTTGCATT CATGGTCTTG TTCACTTAAT
51401 CACAATAGGT GTTGGAGAAG CTGAAACAAT TGAATATTTT CACTTTTCT
51451 CATCTTCTT GCTTTTCCCT GGAGAAAAAA ATGGTGAATA AGTAGGAATC
51501 CATATATATG CAGACATCAT ATGCTGTGCA CATGCACACA TATTTTCTC
51551 GCTTTTCCTC CTTATGACAG TTCCACAAGG CAGACAGTGT TTGTGATAGT
51601 TTTGTAGATG AGGCAACTGA GATGCATAGG AGGCTAAGTC ACTAACTAGG
51651 TCACATAACT AGTTAAGATA AAGCTGAGCT CCAAACCTGA ACATGTCAGA
51701 CTCTGAAATC TATGCTCCTT TCACAATATA GCATCTCCAG TTTAGCTTTG
51751 GCTGACTTGC TGAAGCCTTT TGGTGGAGGA GTGTGTCACG TCAGGAACAC
51801 AAAGTGGGCA GAACATAGCA TTTTGGGGCA CTGCAGCAGT CTAGAAAGTT
51851 TAGTAAGTAG CTAACATGTT TTTTGGGTTT TTTTGTGTTT TTGTTTGAGA
51901 CAGGCTCTCA CTCTGTCCCC AGGCTGGAGT GCGGCGTTGC GATCTTGGTC
51951 TGGGCTCACT GCAAGCTCTG CCTCCCAGGT TCACGCCATT CTCTGCCTC
52001 AGCCTCCCAA GTTGCTGGGA CTACAGGCGC CTGCCACCAC GCCCAGCTAA
52051 TGTTTTGTAT TTTTAGTAGA GATGGGGTTT CACCGTGTTA GCCAAGATGG
52101 TCTCGATATC CTGACCTCAT GATCCGCCCA CCTCGGCTTC CCAAAGTGCT
52151 GGGATTACAG GCGTGAGCCA ACGCACCCGG CCAACGTGGG TTTTCTTGCT
52201 GCATTTTATA ACATCTATGT TTACATTTAA AGTGATAGAG TTTTCCACAA
52251 CACCAAGCAT ACCCATTTT AAACAGAAGG TCAAAGCACA TTTGAAAATC
52301 AAAACAAATT GTTTTCTATG ATTATTTCCC ACTTTTCCCC TATTATTACT
52351 ATAGTTTCTT TTTTTTCTT TTTAGTGCTT TCATAGCTAT TGATTGATAC
52401 CTACATTATT ATTGTTATTG TTGTTTGTAG ACATGGAGTC TTGTGTGTT
52451 GTCAGGCTG GTCTCAAACCT GCTAGCTCAA GTGATCCTCC CACCTTAGCC
52501 TCCCAAAGTG TTGGGATTAC AGGCGTGAGC CACCGCACCC AGCCTCATAG
52551 CTACACTATT GAAGTTCTGG CTTTACTTTT CTGAAAGTAA TCCCAGGTCA
52601 CAGATGGTAG TATGGTAGTG GAAAGAGCCA CAAGGAGTTC TCAAAGCAG
52651 GAGCTGATTC CCAGTGGCAC AGGGAACATT TCAGCTCAAA GCAAGAGAGC
52701 AAGGAGAGCA CCTTGCTCTC CTCCGGTGGC AGGGATTCCA TGGTTGGCCA
52751 CCACAAGAAA GGGGTTCCAT GGATTTCTCT CCAGTAGTAG AGTTGTGTG
52801 AGACAAGATG TGGTTGGTTA TGCTCAAAGC AGACCACTAC TCCTAGCACT
52851 ATGAGAGTCC TGTCATGGTG AGAAGCTAAA GTCTCCTTTT GCCTGCTTCC
52901 ATTCCTAGAG AATAAGCTCA AGAGAATTG GCATCCTGGG CAATGATACC
52951 CCTCCAGGT AGAATCAATT GTGGGGAAGG ATCTATCTCC ACCAGGTCTC
53001 GCCTCCAGCT GTTGAGTATA CACAGCTGGT TCTCAGATGC TGGTGACCCC
53051 TTTGTTTTGC AGGTGGAACC AAGCTCACA ATCCTCAGGA ACCAACTTTC
53101 AGGGGCTTCC ATCAAAAATA GATACTCTAA AGGAAGAGAT GGATGAAGCT
53151 GGAATAAAG TAGAACAGTG CAAGGTATGA GAATTCCTTG ATAAATGTAT
53201 CTTTTCGGTT TTTGCAAATG AGGGATGAAA GTTCAAATGT AAGTTACTTA
53251 ATGTTTTAAA TAATTTCTAT CAGAATATTT TGAATGATTT TAAAGGTAGG
53301 TTTTATTTTC TTCTTCTCTA AGACTATATT ATTTTATGAT CAGAATAAAA
53351 CATTTTAAAT TTCAAATAGG ATATTTTTTAA AAACCTGACA AGATGTCTAA
53401 GCTTATTTAA AGATGAAGTC AGAAAAAGG AAAGAAAACC ATAGCAAAAC
53451 ATATAATAAA ATTACAGCGA TAAAAATGC ATAAGAAATA CAAAAGTAAG
53501 AAAAAAGAAG TAAACTGTAA TAAGAAGCAT TAAATAGAT CAGTGAAATA

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53551 GTATAGGTTT TCTGGAATGA ATGCTATAAT GTAAAATTTA ATATACAGTA
53601 AATGGCTCAT ATGTCCTTGG AGAAGATAAG GATTACTTTT AAAATGTTGC
53651 TTGAACAATT GGTTCGTAAT TTGGGAGAAA TAGAGCTTTT TATCTCATAA
53701 ATTACAGATT AATTAGATGG TCAAGTGATC TCATTCTCTC TGCATCCACC
53751 AAGTTAGATA GATGTTTCATT CTGAATGTTA TTTGAGGTGA AATTATTTGA
53801 AATGGTAAAG GAATAGGTCT TCGGGGAGTC TTGACAATCT AGAGTCTTAA
53851 GTCTGGATTG ACTTAGACTT TTCCTGCTCT TATTTTTCAT TGTTTTAAAA
53901 AAATTGTTTT TTTATTTTCT GCTAATATTA AGACTGTTAT ATTTTAGTTC
53951 ATTTAGGTCA TGACATACTT TGCTTTTCAA AATAGCAAAC CTTGATCAGT
54001 TAACTGCAAT TAAATGACTT GTTTAAAAATA ATATAGTGGG TAGAAATATA
54051 AGAAAAATAT AAAAAATAA TAGTGGGTAG AAATTAAAAA TAAACTCACA
54101 AAGTTAGTCC TTTGTTTTAA AAAGTTTTTA TGTTTAAAAA ATGATATTCA
54151 GATAAATGCT TCTACTAAAA TAATGTCACA TTGGCTTATT TGTGGTCTGA
54201 AGAGTTGTAG CTTTGTGAGT GTCATTTACC CAGCAGTCTT CTTAATATCT
54251 GGTCTAACCT AGATCCTGGC TATTGCCTAC TTATTGCACA CAAATTTGGG
54301 TAGAGGTTTT GGAAGTCATC ATGGGCTGAT GTCTGTTCTC TCAACTTCCA
54351 CACTTGTCAG TATTTCAAGT GGTA AAAA ACT TAAGAAAATA TTTTCTGCCT
54401 CCTTCTCTCT CTATGCATAC CTTGTGGGTA ATTTCTCAG ATCTATGTTT
54451 TGTTCACATG ATTCTCTCTT TAGCTATGTT TGATCTGCTA CTCAAATAAC
54501 ACTGAGTTTT TAATTTTCATT GACTATATTT TCCATTTCTG AAGTTCTAGT
54551 TATTCAAATC TTTTGTATAC TACATTATTC TTTTCTAGTG TTTCTTTCTT
54601 TTAAGTCATT TTAAACATAC TTATTTAATA ATCTCTGTTA ATCTGTTTTT
54651 CTGAAATTCT CTGTGAGAGT GGTAGGTGTC TGCTTGTTGGT GGATTATTTT
54701 CTCATGTGTT TTGTAATTAT TTGAACTCAT TTTAAGAGGG GCTTTATCTG
54751 TGGGACTATC AGGGATTGGG AATGAGACTT CCCAGAGAGT ATTACCAGTC
54801 CAGGTCCATT TTTAATTAATA CTTAAATCAG TTTGGGGTTT CTGGGACCAC
54851 ATGTCAGTAA ATTTAAACTT TAAACCCTCC TGAAAGCAGG CCTATGTTTT
54901 GTGAAATCTC TTGGCCAATG TTTCTCAGAC CTAAAGCCCA TTCCAAAACA
54951 GACATACTTC CCCATGATTT CCATGTGATG CTAAGTGCAT TTGTCTAAT
55001 CTGTTGTTTC GTTGAGAGTA CAGTTCTTCA GGAATCTTAT CTTTATGCAT
55051 GATATATGTG TACTTGTTTC TCCTTACTAG TCCCAAGGC TTCAGACACC
55101 TTGCTCACCA AGACTGGCAC AAATCTGCCC CAGGTCTCTT CCAGCTTCCA
55151 TTGATGCTTA GCATTCCGAC TTTTCTTTC TTTCTGCTTC TTTTCTTCT
55201 TTCTCTCTTT GTGTGTGTGT GTGTATGGTG GGGTTGAGGG GAATCAAGGA
55251 ATTTACTTTA TTGCTTTCCC AGTTATTATA AAAGGATGTT CATTACTTCT
55301 AACTAGCATT TCCAAGTTTT TGTCATAAAT GGGAGGCCCT TCACATTAAT
55351 TTGTGTACCT TGATGCCAAA AACAGAAGTC ATTACATTAA AAAAAAAAC
55401 AAACCTCTCT TACATATATA TTTTCCGGCA TATAAGTTTT CATATATATA
55451 TATATATATA AAATTCCTAT GTATATTTAT ATTTGAAGAT TGGAAATACG
55501 TACCTAATTG CCTAATCTGT CACTTAAAT TTCTTTTGG CCAGGTGCAG
55551 TGGCTCACAT CTGTAATCCT AGCACTTTGT GAGGCTGAGA TGGGAGGATC
55601 ACTTGAGGTC AGGAGTTCAA AACCAGGCTG ACCAACATGA TGAACTCCA
55651 TCTCTACTAA AAAACAGAAA AATATTAGCT GAGTATGGTG GTATGCACCT
55701 GTAGTCCAG CTACTCAGGA GGCTGAGGCA GGAGAATCG TGAACCCCG
55751 GAGATGGAGG TTGCGGTGGG CCAAGATTGC GCCACCAGAC TCCAGCCTGG
55801 GCTACAGAGC AAGCAAGACT CCATCTCAA AAAAAAAAAA AAAAAAAAAA
55851 AATTTTTTTT TTTTTTTTACT TAGAGACTAG ATCTTGCTCT GTTGTCCAGG
55901 CTGTTCTCAA ATTCTGGCT CCAAGCAATC CTCCCACCTC AGCCTCCCAA
55951 AGTGTGGGA TTACAGGCAT GAGCCATCGT GCGCGGCAT TCCACCCCTT
56001 TTTTAACCCA GATGTTAATA CACCATAAGT AATGCTCTGT ACTTTGCTTC
56051 TTAAACAGAT GTGTTAAAT ATATCTTGGA GATCTTTCTT TGTGAGTCAT
56101 GTAAGAAGCC TCCTTATTCT TTCTGTATGG TTGTACCAGG CAGTTGATGG
56151 ACATTTAATC TGTGGTGCTT TCCATCACTT TTTTCTCTAA GAGCTCACAG
56201 AGATTGTTCT CAGATGCCAT TTTGTTTCAC TTCTTTTTC TTCAATAACC
56251 TCTTATCTTC CATTTACCCA GGATCAACTT GCAGCAGACA TGTACAACTT
56301 TATGGCCAAA GAAGGGGAGT ATGGCAAAT CTTTGTACG GTAAGCACCT
56351 TCCCTTGAGA AATGTTTAA GCATTGTTAA AATGGAGTCA TTTTAGCTTT
56401 TTTGCAAAAG ATTTCAATTT TAGTTTTGCT CAGCCATTGT GTGTGTCTC
56451 ATCCGATGCT AACGTTACTT TTGTTTTTGA ATGTGGGTCT GTTCTCAGTT
56501 ATTAGAAGCC CAAGCAGATT ACCATAGAAA AGCATTAGCA GTCTTAGAAA
56551 AGACCTCCCG CGAAATGCGA GCCCATCAAG GTAATGTAAC CCGCGTGCGG
56601 CTGATGCTTC CTTCTTGCTT CTGCCACCTC TGCCTGGGTT CTTCTTCACC
56651 CTGACTCCTC TGCATGCACG TCCTTGGGAT AAAGCTTCTC TGCCTAGGAG

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56701	GGTACTGTTT	CCCAGCATAA	TTTCATCTTC	CTTGCTGCAT	TCTCTAATTT
56751	CTTCCAAACC	CAAATTAACA	CACTAATGGA	ACATTTGTAG	TTCTTCTGAA
56801	ACCTTCAGTT	GAAGAGAAAG	CTGGCCTCTT	TGGGGAGTAC	CTGTGTGTTT
56851	TCCCATCTTC	TGTAGGCTTG	AAAAAGTCCA	GCATTGAATG	ATCCTTTTCC
56901	ACATCAGTTA	TTTGTTCAC	AGGACTTAAT	TCTGGCCATG	TGACTCCAAG
56951	AGCATCCATT	CTAGGGAAAA	TATTTTGGAC	TTTCCAAAAG	AGAAGCCAGT
57001	ACTTGATGCC	ACATCATGCA	CGTCACACTT	AATAATAAGT	GTGATTGAAT
57051	CCTAAGACCG	TGGTCGCTTC	GTTCAGACTC	CTCCTTTGTC	TTTATACTAA
57101	GCTTTTGTTC	TTATCACCAT	TAATATTTCT	CCTATCATAT	TCAAGCACAC
57151	TGCAGATTGT	ATCTGCAAGT	TAGGTGCAGA	CTGAACTTTC	CCCTTATGTT
57201	GAATTTTAAG	TGGGGCATCT	AAAGCTGCTT	TTTTTTTTTT	CTCTCCCTAA
57251	AGCTTTCGAT	GCTGTGTCTC	TCTGATTTAC	CATTAGAGCA	TTTACCAGCA
57301	GAGATCGACA	CAGCTGTTGA	GTCAGAAATT	GCTCGGCCGT	CTTTGGATCT
57351	ATTTACCTTG	TGGTGTAGAC	CTGACATTTG	GAGCTTATGC	TCCTCTGCAG
57401	AACCACTGGT	CTTGAGCTGA	AAGGGGATCA	GGCCAGGTGC	TGAGTGGGAT
57451	GACTTTGTGA	TTTTGAGACC	GAGCATGTGT	CTGTGTGTGT	TGTGGGGGGG
57501	ATGCTTTGTG	GATGTGCATA	CATACCAGCA	CCTTCAAGAA	TGCGACTTCT
57551	TCTCCCCCTA	AGTTCAGGA	GATCCTCACA	GGTTCCTGGC	TTGTGCCTGA
57601	AAATTTTGGG	ATTATGGAAT	TATAAAATTT	TATGTCTTGC	CTGACCATAT
57651	AGTCAGATCT	TCAGCATTCT	CAGGGGCAGT	GTTTCTGATT	TTCTCAGCCA
57701	TTGCCCTTGC	CTTCCCAAAT	AATCAAGATT	ATTAGTTCAT	GGAGGATGGT
57751	GTTGAGTCAC	AGTGCAAAGG	AACGAGGTCT	CTGGAATATG	TTCCCACTTT
57801	TCTAGGGACA	GACTCTTGCT	GGGCAAGTTC	AGAGGACCAA	GAAAATATAT
57851	TTATGAGATA	TCTGCTGTGG	GCTGGGCCCC	GCATAGGACA	AAATAGTAGA
57901	CAAATCATCA	TTTTAGCCTT	TGAATGGCTG	AGAGTCTGAT	TTGAAAGAGT
57951	TGATTAACAA	GAGGAAAAAC	GAGAGATTGG	ATTTTTTTTC	GCATTTTGTT
58001	TGTTTGTGTT	TTTTAAAGAG	ACAAAGTCTC	ACTCTGTTGC	CCAGGCTAGA
58051	CTAGAACTCT	CATTCTGTTT	TTTTCCCAAG	GGTATTTTCC	CTAGAGAAAT
58101	ACATCAGGAA	GCCATGGAGA	GCGGGGATGG	GACAGGAAAG	AGGTTAGGAT
58151	GGAACAGCCC	GTGGAGGAAG	TGCGATTTGT	CCTTCTTGCT	GAGGTCACCC
58201	TTTACCGAGT	TGCAATTCAA	CCCCTCCAC	CTCTGCCTGT	CCTTGTACCT
58251	GCCTTTCACT	TTAGTTCTGT	CTTTTCTTTC	CTTGCTGTCT	TCTCTGTTTT
58301	CAGAAAGACT	TATCTTGTCC	TTACTATATA	AAAAAAGTGT	GACCTGCCCC
58351	CACAGCCCCC	TCACCTCCGT	GGACTCTGGT	GTCACATTCA	TGGTCAGTTG
58401	GTGGTAATCT	GGTACCTTCC	TGACCTGAAC	ACAGCGTCCT	GTTTAATCTG
58451	GTTCTCCTTC	ATTTTTTCTG	GTGGGTACTT	CAGATGACCC	CTTCTGCCT
58501	GCCACCTGCA	TTTTCTTACC	ACCTTCCTAC	TCCTGAATCC	TTTGCACTCT
58551	TGTGTCTACC	CCCAATCCCT	CTGCTGTTTA	GGAAAAAAGA	GCAAAACATA
58601	CTGCAGTTTT	CAAAGGACCA	GCAACCACCC	GTCAGATCCT	GGCATTTGAC
58651	CCGGCATGGG	CCGTCCCTTC	CTTATTCAAT	TTTGTCTCCT	CACGCCACTC
58701	GACTGTCTTC	TTTCATTGTA	AGGACTCTGC	ATTGCTCCAT	TTCTTTTAA
58751	AAATTTTTCT	TCAAGAAGGA	TTATATATTG	CTCATTTCTG	TCTCCACCCC
58801	AGAAGTCAGC	CTTTTCTGAG	GTCCAGTCCT	TGCACCTCTG	TTCTCTCCCA
58851	CCCTCATTCT	CTCGCCCCCT	TTTCCCTAGA	AATCCCCTTA	CTTGACAGC
58901	TTTGCCTCTT	ACCTGCATTT	TAATCCTTGC	AGCCTCCTAA	GCATCGGTTT
58951	CCTTTGATGA	ACAGCACTCA	CCTTAAACTC	AAAAAGCAAA	CCAGTCCTCT
59001	TCCCACTCCA	ACTGTCCCTT	TTCTCCCTTC	TTGTCTCCCT	TATATCACCT
59051	TTCTCCAAGT	GATTCAGGTC	TTAACCTTGG	AACCCTTTTC	TCCTTCCTCT
59101	CTTCCATCCA	GTGCCTGGGT	TCTGTCCATT	TCGCCCTAGG	CTCTGTCATC
59151	CTCTCTTCCC	CTGGCCCCACT	CTGCTCCATG	CTCTCACGGC	CTTGGCGTGA
59201	ACTTGGGATA	AGATGTAAT	TCCCAGACTC	ACAATTCCTG	ATCTTTTCTC
59251	AGCTGATTGC	CCCTCACAAA	GATGTGTTTG	TCCGTTTTTC	AGCCTGTTTA
59301	ATCTCTGTCC	GTCTCATGAG	ACCCCTCCA	ACCTCATTTT	CTTTGAGAAG
59351	CCTTCTCCGA	CAGCTGAAGC	CAATGGCAAA	CACTTTGCCT	CTTGAATTGT
59401	GCCAGCATTT	ATGGTCTACA	CCAGAAGTCG	CAAACAGCCA	TATCTCATTA
59451	AAAATTGTTA	AAAGTTGGTT	GTCATCATGT	GAAAACCAGA	TGGTTTGATG
59501	TAACAATTCT	GATTTCTGGC	TTCTCCTGAA	AGTTGAGAAC	ATCTGGCAAC
59551	ACTGGCTTTG	CTTTCCACAG	TGGCAGTGTT	GGTTTGGTGC	AGAGGAGTGG
59601	TTATCGCCTG	TCGGCAGATC	GTGCACTCCC	AGCAGGATTT	GTGCCCCTGT
59651	GCTACCTATC	CGACTCCTCT	GGACAATTGC	ATTTGCAACC	CTTGTCTATA
59701	CCATCGATCT	GCCATGACTT	AGCAAATATG	TCTTGTCTTG	TTATTGACTG
59751	TTCTGTGTTT	ACATGTGTGT	CTTATATTCC	CTTCACAATT	CAATTGCCCT
59801	CTTCTGAGG	GTAGGGAGTC	TCTGTTAACT	TTACATGCCT	CCTGCAGTAC

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59851	CTGACACATA	GTAGGTCTGT	TGTTTGAGAG	GCCAGTGCCT	GAGGTGGAAT
59901	TTGCCATTATG	ACTTGCTTCT	AGGTCAGTGG	TTCTCACTTG	CACCCTCTGT
59951	CAACATTATA	CCAGGCTTGG	GGGTGGGGTA	CACTCTGTCC	AGTGTCTTACT
60001	AGAAAGTTCC	AGCAGAGGTT	TGAAGCATGC	CCGCCCCCTTA	GCATTACAGG
60051	GTTGGGCTTG	TGGTGAAGGC	AATGGCGGGT	GTCATTTGCA	GAACCCCCCT
60101	GGGTGATTCC	AGGGCATCCC	CTAGTGGAAG	GCTCACGTGG	CCATTTTCAG
60151	CCTGTGTTGT	AACTTATTGC	TTTAGATAAA	AGGGACAAAG	TATTTTCAGGT
60201	AAGATTTGAC	CTCTGGGAAG	GTCCAGACCC	CCAGATGCGT	TTTCTATTGG
60251	AAATTCCCCA	GCTGGGGCCG	GGCCAGAGAC	GAGGAGGGCT	CCCCACAATT
60301	CTGAGAGTGG	CTGGTGGCCT	GCACCTCATT	TTTGTCCCCC	ACCTTCCTTT
60351	CCCTCACCCC	TTTCTTCAGT	CTTTACCTCT	TGCTCTTTCC	ATCCATTTTT
60401	ACCTTTCCAC	AAGCTCTCGG	TTCTATGGAT	TTGTGGGATT	TTATTTTTCT
60451	TCCTTCCCCA	TGTGCAAATC	TACCCCTGCT	GTGACATGGG	AGAGAGTGTA
60501	AGAGGACACA	CCAGAGTACA	TACTGCCTTC	TTCCAACCCA	GCTTTCTAAC
60551	AGCAGAGCTG	CTAAGGGACC	AATGGCCAGT	AAAGGTGCAG	AGAAGGACAT
60601	GAACCCCTTC	TGTTGTTGGA	AAGATTTAAG	TGTTTCTCCC	TGGAGCAGTT
60651	TTCAACAACG	GTTTGCCCTC	CTTTGCTTCT	GCGAGCTGCT	CAGATAGCAC
60701	TAGATCTCTG	CAGCTTGCAC	AGGCAGGCCA	AATTCAACCA	GATACTTCTT
60751	ATTCTAATTG	ATATGTCGGT	TCTCTAAATT	CTTCTTTCTA	TTTACTGCT
60801	TCAATTGATT	TGTGCTAAGC	TGCCTCATAA	CCTGAAGATA	ATCTAAAATA
60851	TGGCTTTTCT	GCCATCAGCA	TAGCCTTCAG	CTGCTTTAGG	GCTGCAGATG
60901	CTGCATTTCT	TTCCACTCAG	AATTTTTTCG	AGCTGTTTGG	GGATGCGGTG
60951	TTCTGAAGCA	CTGCATGCCG	CGGAGATGTC	GCATCTGATG	GAGAGTAACT
61001	GCAACGTGGA	GAGTTCACGT	TGGCCATCTC	CAGTCTTGTA	TGACAGATAC
61051	TTAACTTGTG	TTTGAAATTT	TCAGAGATCA	TTTCCATTTT	TGCATAGCAA
61101	AGAATCTATT	TCTTGTCCTC	TAGCTAGAAG	GCTTTGCATG	GCTAGAATAA
61151	ATTTCTTTTC	AACGAAACGG	TATGCTCTGG	CAAATCTTCC	TTTTGGTTCA
61201	AGGCAGCCCA	CTAAACCCGC	TGGCGTGTGT	TGATGAAGTG	TGGTGCAGGT
61251	GCAGCGTGCC	ACTGCAGCTT	CTGGGCAGCC	TGAGTTGGTG	CCATCTAGGT
61301	ACGCTCAGGC	TTCTGTTCCA	CAAGTAACCG	CCCCAGCCTG	GTCCATAGTT
61351	TGCTGCTCCA	GTAGATGGCA	AATAACAAAA	GCAAATAGAA	CAGATGTATC
61401	CCCTCTTGCA	CAGCCTCACC	TACCACTCGG	CTAGAAAAGC	CCATTGGGTA
61451	GTTGGGGAGA	AAATAGCTTG	GTAATGCCGT	GAGTTTGTGG	GGTGCTAAC
61501	TGAACAATTT	GCTGCTCTAG	ATAAGTGGGC	GGAAAAACCA	GCCTTTGGGA
61551	CTCCCTTAGA	AGAACACCTG	AAGAGGAGCG	GGCGCGAGAT	TGCGCTGCCC
61601	ATTGAAGCCT	GTGTCTGCTG	GCTTCTGGAG	ACAGGCATGA	AGGAGGAGGT
61651	GAGGGGAGCT	TCGTGATCCT	GTGCACCAAG	TCTCCATGCC	CCTTGTGTGA
61701	CCCAGAGCAC	CATGCTCCCC	GCCAGCCCCC	TGTCCACCCC	TGCTTAGTTA
61751	TACAGCCATT	GTCCGTTTTG	TGTAGAACAG	TGGCTTTCAA	GCTTTTGTCA
61801	CCATGATCCA	TATTTTAAAT	TGCAACCCTG	TTCCCTATGA	TACCTATCTG
61851	TCTATGAATG	AAACAAAGGT	TTTACAAAAC	AATGTTTACC	TTTCTGATT
61901	GTGGTACACC	CTGACCTCTT	TGTGTCCTGT	TTGATTGTTT	CATTTAAAAC
61951	TCTGGTTGTG	ATTTGTGACA	ATAGATTTTC	TGACGCACTA	ATGGGCTAAG
62001	GAGCTTTAGT	TTACATTTGC	ATAGTATTAT	GCAGTTTTTT	TGGTTGGAGG
62051	TCATTTACAT	ACTTAATTTT	ACAGGATTCT	TACCCCAAAC	CCCCCATGAA
62101	CCAAATAAGG	GAGTTTTTAT	TACTCTTCTT	GTATAAATAA	GGAAGTCAGC
62151	ATGCAGGGAG	TTTACTCCAG	GTCAGAGCTA	GAATCAAAAT	GCAAGGCTTT
62201	TTTTTTTTTC	TTTTTAAAGC	TTTGTATTGA	AATAGAACGT	ACATACAGAA
62251	AAGCATACAT	ATCATAGGTG	TACAGCTTGA	TGTGCTTGCA	TGACTAAACC
62301	CACCCATGGA	GTCGGCGCTC	AGATCAAAGA	ACATCCCGGA	AGCCCTCCTT
62351	GTGTTTGCTT	CCAGCCACTC	CCCTTCTAAC	AGCCTACATT	GGTGCTTCTT
62401	GTCTGGGGCC	AGATTTGCTC	CCCAGGAGAC	ATTTGTCAAG	GTCTGGAGGT
62451	ATTTTGATC	ATCACAACG	AGAAGAGGAG	GTGTTACTGT	CATCTAGTAG
62501	TAGAGGCCAT	GTGATTTCGT	CCATTCTCAC	ACTGCTGTAA	AGAACTACCT
62551	GAGCCTGGGT	AATTTATGAC	GAAAAGAGCT	TTACCTGACT	CACAGTTCCA
62601	CAGGCTGTAC	AGGAATCGTG	GCTGGAGAGG	CCTCAGGAAA	CTTACAGTCA
62651	TGGCGGAAGG	GGAGCAGGC	AGTGTTTACA	TGGTGAACA	GGAGGGAAG
62701	AGCGAGCATG	GCGACAAAGG	GGGAGTTGCT	ACACACTTTC	AAACAACAG
62751	ATCATGTGAG	ATCTCACTCA	CTATCACAAG	AACAGCAAAA	GGGAAATCCA
62801	CCCCATGAT	CCAGTCACCT	CCCACCAGGC	CCTGCCTTCA	ACACTGGAGA
62851	TCATACTTCC	ACATGAGATT	TGGGTGGGGA	CACAGAACCA	AACCATATCA
62901	CCATGGATTG	TGCTAAACAT	CCTACAGGGC	ACAGGACAAC	CTCCAACAAA
62951	AAATCATCCA	GCCTAAAATG	TCCATAGTGC	TGAGGTCAAG	AAACTCTGCC

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63001	CAGATTAATT	TTCTTCCTGC	CTGTCCCTGT	GCTTGGGTGC	GTGCTCAGCC
63051	CTCATCATTC	CTCCTGACAG	CCCTGCAGGG	CAGGCAGTAA	CACTGCTTTC
63101	ATAGACAGGA	GGTGAGCGGA	AGTCAGGAAA	TACCCATCAG	AACACACTGC
63151	CACTTAGTCT	GAGTGTCCCA	ACCTGCACTT	GATGCTGATG	GCTTTTCATT
63201	ATCTTTAGGG	CCTTTTCCGA	ATTGGGGCTG	GGGCCTCCAA	GTTAAAGAAG
63251	CTGAAAGCTG	CTTTGGACTG	TTCTACTTCT	CACCTGGATG	AGTTCTATTCT
63301	AGACCCCCAT	GCTGTAGCAG	GTGAGCGCCA	AAGAGTGTCT	GCAAATCAAG
63351	TCACCCTCAA	GGCGGTGGGC	AGGTTCTGTC	TCAGACAGAT	GGTCAGTTAA
63401	AATCCAATTT	CAGTTACAGG	TTTAAGTGAC	AAAACCGAAG	TGGCTCTTGC
63451	TACAATTCCT	TAGTGTATAT	ACAATGTAAT	GTACACTGTG	TCTTCTTTAC
63501	TCCTTTTCTG	TTTTTCTATT	TTGATGATTA	AAAGAGAGAG	TAGCTTATAA
63551	TGCAAATATT	TGGAGACATA	TTTGTATTTT	CTTCCCATCT	TTACAGTCT
63601	CCCCCACCAC	AATTCCTTTC	TACCTGGAGA	AATTATGTCT	GTTAAGGGGA
63651	TGACTTTAAA	ACTAATTTTA	TTTGTAAATTG	ATCTCTTAAA	ACTTTTTTTT
63701	TTCAGAGATT	GAATTTGTTT	TATGAACATT	TTAGTCTCTA	ACAACCTCTG
63751	CCAACCTATG	ATTTGTTATG	TACACCTTGG	AAGATCGTTA	TTGAGATCAT
63801	TTCAATTTGC	AAAATAATAT	GTCCCAAGAT	TCCTAGCCTT	ACCCCTTTTT
63851	CATACCTCAA	GAGAGTGTTA	ATGATTTTCT	GTGCTTTAAA	ATCCTATTTA
63901	CGGAATTTGC	CTGAACCTTT	GATGACTTTT	AATCTGTATG	AAGAATGGAC
63951	ACAAGTTGCA	AGGTAAGTTT	AAAGAACACA	GAGTTGTAAA	TGTTAAAGGG
64001	AATGAAGTGA	TATTGTGCCC	TATTTGCAAA	TCATTTTATT	CTCAGGGATC
64051	ATAAGATTAA	AATAGCGTAT	TTGTTAAATA	ATACATGTCT	CAGCTCTTAT
64101	TTATGTTTAA	AATAAAAATA	TCAAGTATTA	TAATTATTAG	TGTAGGAAAG
64151	TCACCACGTA	GGCATTGGTT	TAAATTTGTG	TTATTTAGGT	GGATGAAGAC
64201	ATAGAGTGGT	ACCCACATTA	ATGGATTGTC	AAATTTCCAG	CCCCCTTTAT
64251	GTTGAAGAAA	GCCCTGTAAC	TGGGGATAGG	GGTCATACTG	ACCCGTGGCA
64301	GTGTGCCTTT	TGAGCTGTGT	GCAGTCTCAC	CTGTGCGATA	ATACAGTTGG
64351	CCTTTAAACA	GCATGGGGAT	TAGGGGCATT	GATACCCTAC	ATAATTGCAA
64401	ATTCAGATAT	ACTTTTAACT	CCCTCAAAC	AACTAATAGC	ATACTGTTGA
64451	CTGGAAGCCT	TACTGATAAC	CTAGTCAATT	AACACATATT	TTGTATGTTG
64501	TATGTATTAT	ATACTGTATT	CTTACAATAG	ATAAGCTAGA	GAAAAAGTAC
64551	TATTAAGAAA	ATTGTAAGGA	GGAGACAATC	TGTTTACTAT	TCATTAAGGG
64601	GAAGTGGATC	ATCTTAAAGG	TCTTCATCCT	TGTCTTCATG	TCGAGTAGGT
64651	TGAAGAAGCA	GAGAAAGTGA	AGGGGTGGGT	CTTCCTGTTT	CAGGGGTGGC
64701	AGTTCATCTG	TGAGTTTTTT	CAGATTGTCC	GAGATCTCCA	GGAATTTTCC
64751	TATATGTTTT	TTGAAAAATT	TGCATATAAG	TGGACCTTGT	GTGTGCAGCT
64801	GTATAATGAT	GACATTAATA	TTTACTGAGC	ATTTTCTTGT	GCTAAGTACT
64851	GTGCTCATCT	TTGTAGCTAT	TACCTCCTGT	AATCTTTAAT	TAACGTTATA
64901	AAAGGCAGAT	GATGTTGTGA	TCCACATTTT	ACAGAGAGGA	AACTGAGGCT
64951	TGGGAGGGAA	CAGGGCCAGG	AGAGTAGCAA	GTAATTGGCA	GAGCTAGAAT
65001	TCAAACCAGA	CAGACCCAAA	TGCTATATTC	CTCTACTTCG	TCCCTTTCCC
65051	TCCACCCTCA	GCTTCAGTCT	GTCTAGGAAC	AGATGATTTT	AAGCAGGACA
65101	GCTTTGTTTT	AAAAGCCTAG	AGGCTTCTGC	TTGGCTGGCC	AGCCACCTC
65151	CTCGTCTTTT	TTCTCATGGC	GCTGACTCCC	CTCCTCTCCA	GAGTGCCTAC
65201	TCCTCACCAC	TAAGGGAAGA	GGAACAAATC	TCACCTCTGT	TCTGTCCTCT
65251	TCCCCGTCTA	CGGACACTGC	CCCTGTTCCC	TGCAGGCAGG	CCATGATCAA
65301	ATAAGAGCCA	CTTATTTCTG	ATCAGTTACA	CTTCAGTGGA	TGTGAGTCCA
65351	TCGCTTGTGT	CTTTAACCAG	GTTTTGCATT	TGAGCTTTTT	TCCTTTTTTT
65401	TTTTTTTTTT	TTGTGAGTTG	GAGTCCCCT	CTGTCGCCCA	GGCTGGAGTG
65451	CAGTGGCACA	GTCTAGGGTC	ACTGCAACCT	CCACCTCCCT	GGTTCAAGCA
65501	ATTCCCCTGC	CTCAGCCTCC	TGAGTAGCTG	GGATTACAGG	CGCACACCAC
65551	CATGCCTGGC	TAATTTTTTT	GTATTTTTTAG	TAGAGACAAG	GTTTCACCAT
65601	GTTGGCCAGA	CTGGTCTCAA	ACTCCTGACC	TCAGGCAATC	TGCCCTGCCTC
65651	GGCTTCCCAA	ACTGCTGGGA	TTACTGGCAT	AAACCACCGC	GCTCAGCCGC
65701	ATTTGAGCTT	TTCTCTGTAA	TTGTGGAATG	AGACTTTGTC	CCTGGTAGAT
65751	GGTGAGGTTT	TTAAGTTTCT	AGACAAGTTC	TTAGTCATCA	CGTATCCTTG
65801	GAACCTTGCC	TGGGGCCCAG	CCTGCTGTCA	GTATTAATGT	TTATGGGACA
65851	GAATTCAGTA	GAATCCAACA	TCAGTGTTAG	GTAGAAGAGA	GTTGTGGGAT
65901	TTCTTTTATT	GGCTAGCCTC	CTACCCAATA	AAAGATTTC	TTGTTTATTA
65951	CAAGGAAATA	AACTTGTAAG	AGAAGGCGTC	TATCTGTTGG	TATATTGATT
66001	CTATAGTTGA	GAATTGTCAA	TATGGGTGGG	CTTCCATCCC	AGTAACACAT
66051	CGACTGGCCT	CTAAAGTGTA	ATTATGTTTA	ATCCCTATCC	ATGTTCTCCA
66101	GAATGGTTCT	GTTCTGGAGG	ATATTTACAG	TTCAAAGTGG	TGTTATAGAG

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66151	GCCCCTTTAA	CACTCTTGGT	CCCTAGTGGG	CAGAGTTGGC	CGTGCTCTAC
66201	AGGCTCCTCA	CTGCCCCTTT	TTTATGTCTC	TGCAAGTTTG	TACGTTGCGC
66251	CTGTGGAGTG	CAAGAGCTCT	TACAGTTGCT	TCACAACAGA	AATGGGCTGC
66301	TTGATGTGCA	GCCAGTTTGC	AGTATTGCAA	GCGAGGAAAG	ACCCAGAGGT
66351	CTGGGTGCC	GGGAGCTCAG	CCCCTGATC	TGTGGCTGGG	CTGCTTGAGG
66401	GTAGGAGAAT	TTGGGTTCTG	TAAAGCCATA	CGTCAGTACA	CACTTTTTCT
66451	AGACAGAATT	TTCAGTAGTG	TCTTGTCTCT	TCTGTGCCAA	GCATTGGTGG
66501	AGGTGGTTTT	GTCACAGACG	CCTCAAAATC	GTTCAGCAGA	ATCAACACTT
66551	ACCCTGTTTT	GCACATCCAG	AGATTGAAGG	TTAACCAACT	GCGCAGAGTT
66601	AAACAGTTAA	TTGGTATTTG	ACTCTAAATC	TGTTTATTTT	CATAGCATGG
66651	GCTGTTTTCC	AACTGTGCTT	TCTCTGTCAA	AATGGAGGCC	TCATTTTTAA
66701	CATAGCATAT	TAATAAGATA	ATTGGTGTCT	TAATAAGTTG	TTGTACTTAA
66751	AAGTTTTTGT	TCTCAGTGTG	CAGGATCAAG	ACAAAAAACT	TCAAGACTTG
66801	TGGAGAACAT	GTCAGAAGTT	GCCACCACAA	AATTTTGTTA	ACTTTAGGTA
66851	TGTATGATTG	AGCTACAATG	ACTCTGGAGT	GAAGATAAGT	TTAATGCCCA
66901	GCAGAGAAGT	CATTTAATTC	AGGCATACTT	GGCACAATAA	AAAACAACAA
66951	CAACAACAAA	AAAAACCACA	TCACTTTGGA	GAGTAACTTG	GGGCTACTGG
67001	GAATGGGATT	TCATGTATAT	TATGATGAAT	TTGAAGCATC	AGTATCATGC
67051	CTGACATTAA	TACGTAAAGT	GGCTTATCAT	TTTCCCACTA	CAGCTATTAG
67101	CAATAAATTT	CTTGTGAAAA	GTTTGAGTGA	CTGTATGTTG	GGTTTGAGT
67151	CCAAATCATC	CAGTATGTTA	AAAGGCCAAA	TTAATCAATA	ATTGTACATT
67201	CTGTAATGTC	TTTTATATAT	GCTACTTAAT	TTAAAGTATA	AATCATCTTA
67251	CTAAATAAAA	TTTCAAAGAA	TGGAGATTAT	ATATTGCTTT	GTGGAATAAC
67301	TGTGGTTTTA	AGAAAATTTA	CCATGGGACA	AACTTCCAT	AATGTAACTT
67351	CTGTTTTCTT	TTTGACTTAA	TATGTAACTT	TGAACAAGTA	TAGAGAAAAG
67401	GAAAAAGTGG	CCTCAGGTGG	TAAAGTCACT	CAAAACCAAA	CAAAGAAAAAT
67451	TTTCTAGAAA	GTGCCCCTAG	AAAATTTTCC	TTGTTTGGTT	TTGAGTGACA
67501	TTAAGTGACC	AGTCAGAATA	GTTTACAGGT	GATATGCCTG	GAATGTTACT
67551	TGTCCTTAAA	TTCCGCCTTG	GGCTCTCCTA	CTAAGCTAAG	CTACATACTG
67601	CCTTTTAAAT	ATTCCCTTTG	ATTAATTTAA	CTCACCCACC	TTGGAATTAC
67651	AGATACTCTT	CCTCTATTCA	GTGTATATGG	TGAGAGCTCA	GTACTTCTTA
67701	GTATGTTGAG	AGTTTGGCTC	TTTATTTTGT	TTATTTTACT	CTGTAATTGT
67751	TACTAATTGA	TTTTTGAATA	GGGAGCACAT	TCCCATGGTT	CAAAATTCAA
67801	ATGGTATACG	ATGAAAAATC	TCTCTCCTGT	TCCCATACCC	CAGCCACCCA
67851	GTTCCCTCTC	TGGGATGCAT	CCAGTGTTTA	CAGTTTCTTA	TATATCCTCT
67901	CAGCAAGAGT	TAATGTAGAC	GTAAGCAGAT	ACATTTCGTG	GTACATACTT
67951	GCCTGTGTGT	TTTTCCCTCT	ACACCCCTTT	TTTAAAAAAC	CAAAATGGTAG
68001	TGTATATTGT	ATACGTCATT	CTCCCCCTTA	CCTTTTGTGC	TTGACAGCTT
68051	AAGGTATTTG	CGTAATACAT	CTTGGAGATT	TTTCCTTCTC	AGTACATTTT
68101	GTAATGATGG	TAGCATAGTC	CTCCACTGTA	TGGATATACT	GTGATTTATT
68151	TAAGCAGCTC	CCTATTGATA	GGTTGTTCTT	ACGTTTGTGC	CTTATATATG
68201	CTGTACTTAT	ACATAAGGTA	GGTATATATG	ATAAATTGGA	TATTTTTATA
68251	ATTCCACCAT	AAAGTGTTTT	CAAATACAGT	TTCTGTAAAG	CAATATAACT
68301	GTGTCTGTTT	TTGTATTTAA	AAATATTGAG	CTCACTATTA	ACACATTATA
68351	ACTTATAATA	GGGGTAGAAT	AGATAGGACA	TAAAGGAGAA	ATTGATTAGA
68401	AATATACAGC	CAATAGGGGT	TCAAATCACT	GAGATTTAGA	CTTAACCTAT
68451	TTTCTTCTTC	CAAGCCCTAA	TTAGTCTATT	ATCTGAAGCA	AAGAACACAA
68501	GAAATGTATA	AAATGCTTCA	CCTGAGCCAG	ATTCTGATTT	AGGAACCCTC
68551	TGCAGTTAGC	ACCTGAGCAA	ACTGGGATTG	TGCACCCAGG	CAGGAAGAGA
68601	ACATTCCAGC	AGCTATTTCA	GAGGAGAAAC	CCTCCCCTTC	TCTTTTGACC
68651	CCTAGATATT	TGATCAAGTT	CCTTGCAAAG	CTTGCTCAGA	CCAGCGATGT
68701	GAATAAAATG	ACTCCAGCA	ACATTGCGAT	TGTGTTAGGC	CCTAACTTGT
68751	TATGGGCCAG	AAATGAAGGG	TAAGTCATCT	TTCTCTGTAT	CATTTGAATT
68801	TCTTCTTTCC	CACCTGATGG	GATGCATAGA	AATGTAACTC	AGGTACACA
68851	TTCTAGTTTA	AGATCAATTC	AAGGTATTCT	GAAGTTGGTT	TTCTCATTCA
68901	GCCTATATTC	TTGGAACACA	GCTGTGAGCT	GGGTGCTGTC	CCAGCTGGTG
68951	GTGACACAAA	GATGTGTGAG	ACATTGTCCC	AGTTCTCAAA	ATGCCCTGCG
69001	TCTTAGGCAG	TCAGATAGCT	CAGTGGCTAC	AGTACAGTGA	TAAGAAAAAT
69051	ACACATATTT	ATGTGTGTGT	ATATATGATA	TTGTAGGAGG	GGTAGCACTT
69101	CCACCTCTTT	AGGGTGTCTG	GCTGGGCTTG	AGAACTAAAT	GGACATAAGA
69151	CAGGTTAACA	GGAGAAAGCA	TACAGATTTT	TACATTTTAA	TGCCCAGCAG
69201	AGAAGCCATT	TAATTCATGC	CTACTTAGCA	CATTAATAAA	AAAACACATC
69251	ACTTTGGAGA	GTAACCTGGG	ACTACTGGGA	ATGGGATTTT	ACGTATATTA

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69301	TGATGAATTT	GAAGCATCAG	TGTCATGTCT	GACATTGGAG	TTCCCATAGG
69351	AAAAGGAAGA	TCCAAAGAAG	CAGGTGGAAC	TGAATGCTTA	TATATGAAGT
69401	TGGACAAAAA	GTAAATTGTG	AAAACGTGAC	CAGACAAAGG	AGCATGGGCT
69451	AGGGCAGTTA	GTTGTGGAGA	AGTACTAGG	AAGATAAGGA	TTCGTTCAGC
69501	AAGGTTTGTT	TATGGAGGTT	TCCCTCAGCC	TTGCCTCCCC	GTCCTGGTG
69551	TTAGGAATGT	TTCTTTCCTC	CTGGTATAAG	GAGGGCATCC	TTACATGGG
69601	AGTTTATCTC	CTGCTTTCAG	GATGAAAAAG	GAAGTCGGA	GCCCTCTTCT
69651	TGCATGTGAT	GGTTTTCAAG	TGTCTTTAAC	TCAAAATAAT	CCTATGCCTA
69701	AGGAGCATAT	TTTGGGATAG	CGTATTCTGC	CCCCTTTATC	AAGTATGACG
69751	GCAGCAGAGG	TAAAGAAACA	TAATTCAGGC	TGAGAAGTCA	GGGAAAGCTC
69801	TGGTTAGGGA	ATGGCACTGG	AGCTGTACCT	TGATGAGTTA	ACAGTTTCGT
69851	ACAGCCAGGA	CCTGGATGGG	CCAAGACACT	GTTGAAAGGG	CCTGGTTTCC
69901	ATCGTTTATG	GGCATGTAC	GTGGCTTCGT	GAAACTTGAA	GACAGAGAAC
69951	ATGAGGCTGT	GACTGGGAAG	GCCAGAGCCT	TCAAGGGCCT	CACACATTGT
70001	ACTGAGGTGT	CTGGGACTTA	TTTTCTGGGT	GGTGGGGAGT	CATTCAATTAA
70051	GGTTCCTAAG	CAGAATAATG	TCTTAAGTTG	CACTTAGATA	ACTTTATTGG
70101	CATTGCAAAA	TGTAGATTGA	ATAGAGGAGG	GGTCGGGGGA	TCCGCTGGAA
70151	AGCTTCTGGG	AAATTGTAC	TCTGTGGATG	GCATTGTGAT	GATCTCATTT
70201	AGTAATCAGA	AGTAACCTTT	TGAATAGAGG	ACATAAAGGA	GAAATTGATT
70251	AGAAATATAT	AGCAAATAGA	GGTTGAATCA	TTGACATTTA	TACTGTTGTC
70301	CTTGTTTTTG	CAGATGAGGA	CGCTGACTCT	TAGAAAGAAA	AAGTAATTTG
70351	CCTAAGGTCA	CACAGCAGGG	AACTGGTGTG	CCCAGGTTCT	GGATACAGAG
70401	CCTGTGTCCT	TATTAACCTT	TATTAGCTTT	CCAGTACTCT	CCTAAAAGAA
70451	AAATGGGAAA	GGATGGAGAG	GACAGTTCCT	CCCTAATCCA	GCAGAGTTTT
70501	AAGGCACACA	GACTGATCAG	ATTCCACATG	GGAGGAAGGC	TGGGAAGGAT
70551	CATTTACAGG	CAGAGCTTCA	ATTTTAAGCT	GGAATTTGAA	AGGAGCAAGA
70601	AATTTTACTT	GGTCGGAAAG	TGGGTGAAAA	TACTCTGATG	GGAAGAGAGG
70651	TCAGAGTGAT	AGGAGAGGAG	AGGTTTGAGG	CAGTCAGACC	TGGGATTGAG
70701	CTTGGGAACC	CAGTGTCCCT	ATGTAGGCCT	CATAACGGGT	TGTTGTAAAA
70751	ATTAAGCGAG	GTGAAGAACC	TGAAGCCTGG	TAGGTGGCCA	GAAAGTGTCA
70801	GGCCTTTTGG	AGGTGGTTTG	CTTTTGTGGT	GTTCTGACTC	TCAGCTGAAA
70851	CAGGCACCTG	ATAGCAGTGA	TAATAACTCT	TACTTTTTTC	TTCTTCTTCT
70901	TCTTCTTTCT	TCCTTTCTTT	TTTTTTTTTGA	GACAAGTTCT	CGCTTTGTTT
70951	TCCAGGCTGG	AGTGCAGTGG	TGTGATCATG	GCTCACTGCA	GCCGCAACCT
71001	CCTGGGCTCA	GGCTATCCTC	CAACCCAGC	CTCTCCGGTA	GCTGGGAATA
71051	CAGATGCATG	CCACCACACC	TGGCCAATTT	TTGTATTTTT	GTAGAGATGG
71101	GATTTCACTA	TGTTGTCCAG	GCTGGTCTTG	AACTCCTGGT	CTAACTGCCT
71151	CAGCTCCCA	AAGTGCTGGG	ATTACAGGTG	TGAGCCACTG	CGTCTGGCCT
71201	ACTTATTTTC	TTCTTTTTTGA	GCCTTGCGGT	CAGACACTAT	TAACATCTGA
71251	ACACTCATCT	TGAGACTAGT	CCACATATAT	GATGACCTTA	CGTGTGAATG
71301	GGAGGCTCAG	GTTTCAACAT	AATAAAAGGC	ACATTTGCCA	GGCGCCGGTG
71351	GCTCAGCCT	GTAATCCCAG	CACTTTGGGA	GGCCGAGACG	GGCAGATCAC
71401	AAGGTCAGGA	GATCGAGACC	ATCCTGGCTA	ACACCGTGAA	ACCTGTCTC
71451	TACTAAAAAT	ACAAAAAATT	AGCTGGGCGC	GGTGGCAGGT	GCCTGTAGTC
71501	CCAGCTACTC	GAGAGGCTGA	GGCAGGAGAA	TGGTGTGAAC	CCAGGAGGCG
71551	GAGCTTGCAG	TGAGCTGAGA	TAGCGCCACT	GCACTCCAGC	CTGGGCGATA
71601	GAGCGAGATT	CTGTCTCAAA	AAATAAAAAA	TAAAAAAATA	AAAAATAAAA
71651	GGCACACTGT	AACAATGCAT	GTTCTTGGTG	ATATCGTAGG	CAAAATTGCT
71701	TTTTAGTAAT	CTTTAGTCTT	AGAACATAGC	TACCACCCAT	GTGTGATGCT
71751	ATTCCAGTGG	GAAAGTGCAA	CCCTCTTTAC	AGACCAGTTT	AAAACCAGCA
71801	TTTGACACAG	CATTGTTGAC	TGACTGGTTT	TGCTGCCCCC	AGGGTCTGTG
71851	TGTAGCAGAC	ACTGTGGTTG	TTATCACAGT	GCACACTAAG	GAGCAGCCAA
71901	GCCAGAGTCA	TTTTTTTCTG	GGTGATCACG	GCCACATTCA	TAGACCAGGA
71951	CCATGTGAAT	TTGATTTTTT	TTTTTTTTTTT	TTGAGACAGA	GTTTCGCTCT
72001	GTCACTAGGC	TGGAGTGCAG	TGGCCTGATC	TTGGCTCACT	GCAACCTCCA
72051	TCTTCCGGGT	TCAAGCGATT	CTCCTGCCCT	AGCCTCCCGA	GTAGCTGGGA
72101	CTATGCGAAC	GCACCACCAC	GCCTGGCTAA	TTTTTGTATT	TTTAGTACAG
72151	ACGGGGTTTC	ACCATGTTGG	CCAGGATTGT	CTCGATCTCT	TGACCTTGTC
72201	ATCCGCCCGC	CTCAGCCTCC	CAAAGTGCTG	GGGTTACAGG	TGTGAGCCAC
72251	CACACCCGGC	CAGTGATTTT	GATTTTTTGCA	TCTTTTAAAT	ATTTTATCCT
72301	TTAAAAATAA	TTGAATTGCC	CTGACACAAC	CAGAAGAAAT	TAGATGCTGC
72351	CTACAGGAAG	TATTTTAATT	TTGTGAACTT	GCTTTGCAGA	ACACTTGCTG
72401	AAATGGCAGC	AGCCACATCC	GTCCATGTGG	TTGCAGTGAT	TGAACCCATC

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72451 ATTGAGCATG CCGACTGGTT CTTCCCTGAA GGTAATTCTC ACTTCAGTTT
72501 CATTGACCGC CAAAGCAATG TGATAATCGT ACAAAGATC TTCTTAAGAG
72551 AATACATCTG TAATCCTTCT TCATGATTAC GTAATTGGTT TCACTTTTTT
72601 ATGTTTCTTT CCAGCCTTTG TTCATTGCAT TTGTATTTTG ACATGATGGT
72651 AATCATATTG TATTGTATTT CACTTAGTTT CACTAAAACA TAGCCAGTCA
72701 GTGTATGTTG AATACCCACT GGGTGCCATA TGTTTGCTGG TGAACATGC
72751 CGTCTTACCT GGGGGAACCT CGGCCACTGG AGAAGATGGC CACATGAACA
72801 GATAAATTAT AACACAAGGC ACATTAGAAG ATAGGTGGAT GGAGAAAGAT
72851 TTGACAAACT CAAGTGCTGG GAAAAGGGAA CCAGGGATTG GTTTTTAGAA
72901 GAGGCGATGT TGAATATGCT GGAGTTTTTC ACTTGAAGA GGGCTTGT
72951 CTCTAGCTAG ATTATGGATT TGCCCATAGA TAGGAGATAA AGCAGGAAAG
73001 GTTGATCGGG GCCAGCTGGT GAAGGCCTGA GTTGGCTGTG TCAGGGAATT
73051 AGTATTTTCT CCTGCTGGCA ATAGATTTTC AAAGTAGGTT TGTTGCAGTT
73101 CTGGGATCCA CAGAGGTTCC CATGGCCCCC TTTGGGGATG CTGGCCAGGC
73151 AAGTGTGGGA ATTCGCGATC CCCACACCT ACTTCCCCCA GAGCAACCCT
73201 GCTGCCATGT CCCGTGGGGT GCAAGCCCCA TGATACCCAT CTTCCCTCA
73251 CCACTGAGCC CATCTTTTCT TTACCACTGT TTTGTCACCA TCAGGAATCA
73301 CGCCTCATTC ATATAGTTG CCCAGTGAGG ATGGGATGGA TGAGCGAATG
73351 CTAGCATTCT GCTCAAGGTT TCCTTTGAGG AAATGATTCT TGCAAAACT
73401 GCTAAAGGCA GTATGAACCT GATGTTGCCT TTTATTTCTA TTTTATATTA
73451 AAGTGTAAT ATCTCTCTTT TTTTTTTTTT TTTTGAGACA GAGTCTTGCT
73501 CTGTGCCCCA GGCTGAAGTG CAGTGGCGCG ATCTCGGCC ACTGCAACCT
73551 CTGCTCCCA GGTTCACGCG ATTCTCCTGC CTCAGCCTCC TGAGTAGCTG
73601 GGAATACAGG CATACATCAC CATGCCCAGC TAATTTTTTG TATTTTAGT
73651 AGAGACGGGG TTTCACGTTT TTGGCCAGGC TGGTCTGAA CTCCTGACCT
73701 CAAGTGATCC GCCTGCCTTG GCCTCCCAA GTGCTGAGAT TGCAGGCATG
73751 AGCCACCACA CCCAGCTAAA TGTCTCTTTT TGAATGATTA AATAAGTGAT
73801 CTGTGCTCAT CGTCTCTTTC TACATTCTAG ATTTGTTTTT ATTTATTTTT
73851 TTTCCACAAA AGAGAAAGCA CAAAAGTGTG TAACCTATAT TCTGACCCAT
73901 ACTTCTTCCC CTGTCTTGTC CTCTTAACAT TACTTCCCAC TGGTTTGATG
73951 GACCAATCTT GCGATGTGAG TGCCTGGAGC TTCCACTTTG AAATAGTGAG
74001 GGCTGTGGAC TGAAGAACGA GGTTCCCGTT CCAATGAGGG GTGTCTTAGA
74051 GCTCCCTCGC CTGCTGTGCT CAGTGTCTCA TGCCTTGTT TATTTTCTCT
74101 CTTGCAGAGG TGAATTTTAA TGTATCAGAA GCATTTGTAC CTCTCACCAC
74151 CCCGAGTTCT AATCACTCAT TCCACACTGG AAACGACTCT GACTCGGGGA
74201 CCCTGGAGAG GAAGCGGCCT GCTAGCATGG CCGTGATGGA AGGAGACTTG
74251 GTGAAGAAGG AAAGGTATGA TTTGACCGTT CACTTCCAAA CCAGCAGTAA
74301 ATATGTTGTT AGACCCGTGG TATCTGGTAT CGCTCAGTGG ACTTGGGATT
74351 TGAGAGTGGT CGCCATCCAC CCATGACTGA TGGTGTCCAG ATAGTTTCTG
74401 GAATCTGCT GTAGGTCATT CCAAGCACTA ATCTCACCAT AAAGTCAGTG
74451 TGTAGCTTCT CAGTTAACGT TTCTTCCACG TGTATTCCAG CTTAACTTGG
74501 TGGTGTGCTT GGTAAGCCCT GCAGTGGAAC GGCATCATAC ACATGTTAAA
74551 AGTGACCCAG ATGTACGTGA GTGGGGGGAA ACAGAAAGGA AAATAAATTC
74601 AATAGTGTGG ACTTTTGTCC AGAATTGAGT GTGAGAACAC CCACCTGGCA
74651 CAGTGAGTTG AGTGATTTGG CGTTTAAGGA GACATATTTT TGGTATAATG
74701 TGGCCCCACA ATGGAAGCCA ACCACTGAAT TTGATGTTCA GTGGGAAAAA
74751 CCTCAGTATT TGCCAATTCT AGAAGAAAAA AAAATGGCAG TGTGAACTT
74801 AGTGAGAAGC AGTGTGTCTC TATATACTCT TTTCTATGGG CAATTCATGG
74851 GATTTTCAAG GGTGATTAAG ACTGTTTGTA ATTTGTGCCT TTGGATGCCA
74901 ACCTGTCCCA TGTGTGTGAT GAAATGCCAC TGTACTCACT AGGAATGCTA
74951 ACAGTTAAGA GGCCTGTTGG AAGTAATATG CTTTTCTTGG TATATTAAAT
75001 AATACTACTA GAAATAGTTT TACATTAAAA CGAAGTGACA AGCTCTTATT
75051 TTAATGCTC AGTCTTATAG TGAGGTGTGC TGTGTTGTTT TTGTCTTTG
75101 TATTGCAATT TTTACCCCTA GCAAAGGAGA ATGCATTATT CTGTCCCTAT
75151 TCTGTCTTCT CAAAATCCAC ATTTATTCTA TGCAGACGTA TTACCTCTCT
75201 GAACCTCAT TCATACATTC AGTAGTATTT CCTGATGACA GACTCTACCT
75251 GTAACAAAAA TAGCTTTTCT ATATTTTAAG TTACAGAATA CAGTGCATGA
75301 GTCTAGTTAG CACGTGACAG ACAATTCTCA GTTACCTGCC TTGTGTATTC
75351 TCCCTGCCAG CTGACCCAGT AAGCACGAGC TCAAGAAGCC AGGTATCTTT
75401 TTACTTTTTG AACTGAAAGA AAAAGTTGTT AAGTTTCATG ATCAGTCGCC
75451 TTAAGTGAAA AGTCAGCCTT CCTTCCACCC TCTCCAGCCA CATCCAGCCA
75501 CCATTCCTT CCCCAGGCA ACGGCTTTTT CCAGTCTTTT TGGTTTTTGT
75551 TTTTTTGAGA CAGGGTTATG TGCCCAGGCT AGAGTGCAGT GGTATGATCA

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75601	TGGCTCACAG	CAGCCTTGAC	CTCCTGGGCT	CAGGCAGCCC	TCCCACCTCA
75651	CACACCTGAC	TAGCTGGGAC	TATAGGCACG	CACCACCTCA	CGCAGCTAAT
75701	TTTCTAAAAA	AATAGTTTTT	TGTAGAGACA	GGGCCTCACG	ATGTTTCCCA
75751	AGCTGGTCTT	GAATTTCCAA	GCTAAAGCGA	TCCTCCCACC	TTGTCCTCCC
75801	AAAGTGCTAA	GATTACAGGT	GTGAGCTACC	ATGCCAGCT	TTTCCAGCCT
75851	TATGTACCTT	TCACATGTAG	TCTGCATATG	CACATAGGAT	TGTTTCTACA
75901	TCTCATCTCA	GTTAAGAGGC	AGTGTGGTGT	GATAACCTTA	CACTGCCATT
75951	GGTAGGCCTT	CTGGACTTGA	CTTCTGTGTC	ATTCCCCAAA	AACAGATTTG
76001	AGATGGGAAC	TAGGAAGTAT	GGAAATAGGC	CGGATGTGGT	GACTTATGCC
76051	TGTAATCCCA	GCACTTTGAG	AGACCAAGGC	AGGAGGAATA	CTTGAGGCCA
76101	GGAGTTTGAC	ATCAGCCTGG	GCAATGTAGT	GAGACCGCAT	CTCTACAAAA
76151	AAAAATTTTT	TTTTAGTATC	CCAGTATGGT	GATGTGTGCC	AGTAGTCCAA
76201	GCTGCTCCAG	AGGCTGAGGC	TGGAGGATTG	TTTGAGCCCA	GGAGTTTGGC
76251	ACTGTAGTGA	GCTATGATTG	CTCCACTGGA	GTGCCAAGCA	CTCCAGCCTG
76301	GGTGGTGGAG	TGAGACCACA	TGTCTAAAGG	GGGAAAAAAA	CAGCAGAGGA
76351	AGTATGGGGA	TAAACACACT	AACATGATGT	CATTCAAGAT	GAGGCCTGCC
76401	TATTTGCTTT	TAGCTGCTCA	CACCCAAATT	GATCAAAGAC	ATTGAACAGT
76451	ACCAGGTTCA	TTGGCTTTGC	TCAGGCTTGA	AGCCGAGTGG	AGTTGCTCAG
76501	GGGTGGCCAT	TAGTCTGGTC	CTTGCCGCTT	CACTGCATGC	CGGGCAGCTT
76551	GGGTGGCTAT	CCCCATGTGT	GGTTTTAACA	CATGTGGACC	GATGGGCTTC
76601	TGTCTCAGTA	GTCTGCTCGC	ATGGTGTGTT	GACTGTTTCT	TCTCTCTGTG
76651	TAGCTTTGGT	GTGAAGCTTA	TGGACTTCCA	GGCCCACCGG	CGGGGTGGCA
76701	CTCTAAATAG	AAAGCACATA	TCCCCCGCTT	TCCAGCCGCC	ACTTCCGCCC
76751	ACAGATGGCA	GCACCGTGGT	GCCCGCTGGC	CCAGAGCCCC	CTCCCCAGAG
76801	CTCTAGGGCT	GAAAGCAGCT	CTGGGGGTGG	GACTGTCCCC	TCTTCCGCGG
76851	GCATACTGGA	GCAGGGGCCG	AGCCCAGGCG	ACGGCAGGTA	AGGAGGCTGA
76901	CTTCTGCTGG	CAGTGAGGCG	TGGACGCCCC	AGCCTTCTTG	CAGGTGGTGG
76951	CCTTTGAGCA	CGGCATCCAT	CCCCAAAGAA	CTGCTCCAGC	ATGGAGTGAA
77001	CAGATTTACT	TTCACTCCTC	TGGTTGGCAA	AAGATGAAAA	AAAAGACTAT
77051	GAATGGCTCG	CTTCTTTTTA	TGTTTTCCAA	AGAAAGCAAC	ATTGGTTTGC
77101	ATTCCTTTGCC	ACACTGCTTT	GGTGCTGGAA	ACCGGAAGCC	AGTGGATGTC
77151	TCATAGTGTG	ATGAGCCTCT	GTCACTGTT	GGATGTATAC	TGTCAGCATT
77201	CATGTACCTT	CTGTTCAATTG	TCATCCAGTG	TGCTAACCAG	GAAGCATTTG
77251	AGTGTGGCAA	GTTAGTTAAA	TTTTCGTATT	CCTGGCATT	ATTCACCCAT
77301	TCGTTGATTG	ATTCAGTGAA	ACAGATTTAC	TGAGTCACTG	ATATGTGCTA
77351	GGCACATGAG	GTGACTAAGA	CTCCACTCCA	CACCCCCAGA	TTTCAGTCTT
77401	GTAGGGCAGT	TGATCCATGA	GTCCAAGGTG	GAAAATAAGA	TGGTAGCTTT
77451	TCTTTTTTCT	TTTTTTTTTT	TTTTTTTTCTG	AGACTGCGTC	TTGCTCTGTT
77501	GCCCAGGCTG	GAGTGCAGTG	GCATAATCGT	AGCTCACTGC	ACCCCTCGCC
77551	TCCTAGGCC	AAGCAATCCT	CCTACCTAAG	CCTCCCAAGT	AGCTGGGATT
77601	ACAGGTGCTT	GTCACCATGC	CCAGCTAATT	TTTTTATTTT	TGTAAAGATG
77651	GGGTAAACAT	AGATGCCCTA	GGTTGCCCAG	GCTGATCTCG	AACTCCTGGC
77701	CTCAAGTGAT	CTTCCTGCCT	CAGCCTTCCA	AAATGCTGGG	ATTACAGGCA
77751	TGAGCCACCA	TGCCTAGCTG	GTAGATTTTC	TTAAAAGGCT	CTTTTAGTTG
77801	CTTAACCTTT	GGATAAGCCA	CCTGGAGTGG	GCTGCAAATG	GATAGCAACT
77851	TTTAAGAAAA	GTCACCTTGA	ACTTGAGGTT	TTTTTTTTTG	AGACAGTCCC
77901	ACTCTGTCGC	CTAGGCTGGA	GTGCAGTGGT	GCAATCTCGG	TTCACTGCAA
77951	CCTCCGTCTC	CCGGGTTCAA	GTGATTCTCT	TGCCTCAGCC	TACCGGAGTA
78001	GCTGGGATTA	CAGGCACACA	CCACCATGCC	AGGCTAATTT	TTTTGTATTT
78051	TTAGTAAAGA	CAGGGTTTCG	CCATGTTGGT	CAGGCTGGTC	TCAAACCTCC
78101	TGACCTCAGG	GTGATCCCCC	CTGCCTTGGC	CTCCCAAAGG	CTGGCATTAC
78151	AGGTGTGAGC	CACCGCGGCC	CAGCCATAAC	TTGAGATTTT	TATTTAATTG
78201	ACATTAATTC	AGTTCTCCAC	ACTGATCCAG	GCAGATGACC	ACCAGAGGCT
78251	ACTTCAGGTG	GCATCTCTTG	TGGTTTGAA	CTGACAGCTG	CTTAGCTTTG
78301	CATACATGTG	TGCCAAAATT	TTTGTTGTCA	TATGTTCTGC	ATTGGCCATC
78351	CACAACACAC	CGAATGATCA	TATATGAAGT	AAAATAAATG	TGCACAAAAC
78401	AAGGACAGGC	TGTTTATCCA	CACGTTTATT	TCCCACACAG	AGAGATGAAT
78451	TTGCCTTGAA	AGAACTCCTT	TCTCATCGTC	CTTGGGATGA	GCAAGGGAGA
78501	GCCTTGTTGT	GTGTGAAGCT	GCTCGTGAGA	TAGGAATCTT	GTTTCACCAT
78551	TAAAAGTGAA	TGCTGAATGC	TTTGTGCATT	CCTGAATTCC	ATTTTCTTCA
78601	CCTTGGGAAA	GTTTACTTTG	GGGTAAAAAA	AAATTAAGAC	TTCAGACTTC
78651	TTAGGGCTTC	CCGTGCACCT	CATAGGCTGC	ACGTTAGCTT	GTCAATAATT
78701	GTGCCCTATG	CATGTACTTG	TTTTGGTTTA	AATTTTTTTG	TTTGAAGGAA

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78751	AAAAGTCTAA	GCAAATTCAC	TTATTTTCTT	TTTCTTGGTT	TTGTTTTTTA
78801	TTTTTATTTA	TTTTTATTTA	TTAATTTATT	TTTTGAGACG	AAGTCTCGCT
78851	CTGTTGCCCA	GGCTGGAGTG	CAGTGGTGCA	ATGTTGGCTC	ACTGCAACCT
78901	CTGCCTCCTG	GGTTCAAATG	ATTCTCCTGC	CTCAGCCGCC	GGAGTAGCTG
78951	GGATTACAGG	CATGGACCAC	CATGCCCTGGC	TAATTTTTGT	ATTTTCAGTA
79001	GAGATGGGGT	TTCACCATGT	TTGCCAGGCT	GGTCGCGATG	TCCTGACCTC
79051	AAGTGATCCA	CCTGCCTTGG	CCTCCCAAAG	TGCTGGGATT	ACAGGCGTGA
79101	GCTACTGCCC	CGGCCTGTTT	TTTGTTGTTT	TTTTTTTTTC	AGACAGGGTC
79151	TTGCTCTGTC	ACCCACGCTG	GAGGGCAGTG	GTGTGATCAT	GGCTCACTAC
79201	AGCCTTTTAA	TCTCCCAGGC	TCAAGCGATC	TTCCCACCTC	AGCCTCCCAA
79251	CTGGGACTAT	AGTAGTGCAT	CCCCATGCCC	AGCTAATTTT	TTTAAATTTT
79301	TGTAGACAGG	AGGTCTCACT	GTGTTGCCCA	GGCTGGTCTT	CAATCCTGGT
79351	CTCAAGCAGT	CCTCCCTCCC	TAACCTCCCA	AAGTGCTGGG	ATTACAGGCA
79401	TGAGCCACCA	TGCCCAGCCA	ATTTACATAT	TTTCATTTAC	CTTGTGACAT
79451	TCCATTTGTT	TAACAAGGCT	AAATGTATTA	TTAAGACAAT	AATTAGTCTT
79501	AATGCAGAAG	GACAAATGGA	ATGTCAGTTA	CTTTGCTTTT	TTTTTTTTTG
79551	AGACAGCATC	TCGCTCTGTC	AGCCAGGCTG	GAGTGCAGTG	GCATGATCTT
79601	GACTCACGGG	AACCTCCACC	TCCTGGGTTC	AAGCGATTCT	CCCACCTCAG
79651	CCTCCAGAGT	AGCTGGGACT	ACAGGCATGC	GCCACCACGC	CTGGCTAATA
79701	TTTGTATTTT	TAGTAGAGAC	GGGGTTTCAC	CTTGTGCGCC	AGGCTGGTCT
79751	TGAACTCCTG	ACCTCAAGTG	ATCCATGTGC	CTCAGCCTCC	CAAAGTGCTG
79801	GCGTTACAGG	CGTGAGTCAC	TGTGCCTGGC	CTGCTGTTTG	TTTTTTATAC
79851	TGTATTCTGT	AGGTATTTTT	ATGTACATTA	CACTAATGTT	ATTCACCTCT
79901	TGGTGACCTT	GACAAAATGG	AGCTACAGAG	TTTGGTATAA	AAAGTTCTGG
79951	GCCAGGAAAC	AGGAAGCCTG	AATTCTGATC	TCTATCCTGC	TGCTACCAAC
80001	TCTGGACTTC	GAGTAGTCAT	TTAGCCTCTG	AGTTCTCCTT	CTTCAGTCCA
80051	AGTTATTGAT	AATAATCAAG	CCCTTTATCA	TTTAGGGTCT	TATTTTGCCA
80101	TGGCTTTTGC	TTAGTTTTGT	ACAGTGTATA	TGTCAACATG	TAAAAGCCAT
80151	TTCATGGTAT	TAAGTACTGC	CCAATTTAAG	TCCAAACGCA	GTAGAACTGA
80201	AAACTCCGCA	TTGGTTGCTT	TGAAATGGTC	TCTCTGATGA	TACTGGAGTG
80251	GCAGAGTCGT	TGGAGTCCAG	TCTGATGCAA	CGAATCTCAT	AAAAATAATA
80301	GTCCTATAGT	CCCGGCTACT	CAGGGTGCTG	AGGCAGGAGA	GGATTGCTTG
80351	AGTCCAGAAA	TTTGAGACCA	ACCTGGGCAA	CATAGCAAGA	CCTCATCTCT
80401	TAAAAAATAA	ATGGCACCAA	GTAACATTA	GCTCTTTATA	TGGCACCAAG
80451	TAAACATTAG	CTTTATAAGC	CCAGTGTGAG	CTAGTTAGAA	TTTCAGATCC
80501	TTTTCTCTGC	TGCCGAAGTG	AAAACCTCTG	TTGGAATCTT	ATGTTTTATG
80551	TGCAGTATGT	TCAGATTTTC	TAGCTGGGAT	TGCTGACGT	CTAACTTGAC
80601	TTTTACTCCT	CTTAGTCCTC	CCAAACCGAA	GGACCCTGTA	TCTGCAGCTG
80651	TGCCAGCACC	AGGGAGAAAC	AACAGTCAGA	TAGCATCTGG	CCAAAATCAG
80701	CCCCAGGCAG	CTGCTGGCTC	CCACCAGCTC	TCCATGGGCC	AACCTCACAA
80751	TGCTGCAGGG	CCCAGCCCGC	ATACACTGCG	CCGAGGTAAG	CAGCCACCGT
80801	CCTCCTTGCC	CTCAGGGAAG	CCTGTGCAGA	CCTCCTTAAG	TTAGTGCAAG
80851	GATTCAGATG	GTGAGGTTTG	TGGCCAGATC	TTTTCTATGT	CTGTTGTAAG
80901	ATCCCAAGCA	GAAAATTTCAG	TCATTCAAGA	GAAAAGTCAT	TAAAGAAAAA
80951	GGAAAAAATA	GAGAACAGAA	AAGCAGACAT	TTAGTTTTTC	CTTAGGCGTG
81001	ACAAAGCTTA	ACAAACAGTC	AGTTCTGCAG	AAATGCTCCC	AGTTTTCTCT
81051	GTGTCCCAAG	CCCTCGCTCT	GTTTGAGAC	TACCACAGCC	TCTGTACTTC
81101	TCAGCTTTGT	GGGTCTGGGA	GGCACTTTTG	CTTCGGAATT	GGGGTGAAGG
81151	CTTTCTAGGT	CCTGATTAAC	AGAATCTGAA	CTGCTCCCAC	CTGTCTTCCC
81201	TGCAGTCCTC	CACCCAGCAG	CCAGGGGAAT	TGCTTTAAAA	CTCCAAGCAG
81251	ATCATGTGCT	CTCTTGTTTA	AACCTTTCAG	TGGCTTCCAT	GCGAACTTCT
81301	CACCCTGGGT	TCTCTGTGCT	TTGGTGGGGC	CTACCTCTGA	GCCCAGAGCT
81351	TACACTCCCT	CCTCTCAACA	CACTCCACTC	TTGGTTCCCT	GAATGAACCTA
81401	AGTTTCATCCC	CTCCTTAGGG	CTTCCAGAAC	ATTCTGTCCC	ATATCTTCAC
81451	ATGGTTTCTT	CTTACCATTTC	AGGTCTCACC	TCAAAAATCA	CTTCTTCCAG
81501	CTGGGCGTGG	TGGGCTCACA	CCTATAATCC	CAGCACTTTG	GGAGGCTGAG
81551	GCAGGAAGAT	CGCTTGAGGC	CAGGAGTTGG	AGACCAATCT	GGTCAACATA
81601	GTGAGAGCCC	ACCTCTACAA	AAAAAATTTT	AAAAATTATC	TGGGTGTGGT
81651	GACACACACC	TATAGTCCCA	GCTACTCAGG	AGGCTGAGGC	AGGAGGATCA
81701	CTTGAGCCCA	GGAGGTCGAG	CCTGCAGTGA	GCTATGATTG	CACCACCGCA
81751	CTCCAGCCTG	GACAACAGAG	TGAGACCCCA	TCTCTAAAAT	AAAAAGAGA
81801	GGCCAGGCGC	AGTGGCTCAC	ACCAGTAATC	CCAGCACTTT	GGGAGGCCGG
81851	GGTGGGTGGA	TCACTTGAGC	CAGGAGTTCA	AGCCTGGCCA	ACATGGTGAA

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81901	ACCCCATCTC	TACTAAAAAT	ACAAAAATTA	GCCGGGCATG	GTGCTTGCAC
81951	GCCTGTGGTC	CCAGCTACTC	AAGAGGCTGA	GGCAGGAGAA	TTGCTTGAAC
82001	CTGGGAGGCA	GAGGTTGCAG	TGAGCCAAGA	TTGTGCCACT	GCACCCAGC
82051	CTGGCCAACA	GAGCAAGACT	CTGTCCCGAA	AAAAGAAAAA	AAAATGGATT
82101	AAATTCACATG	TGTCTGTCTA	TAGAAGCATG	GTCTTTACAA	AGCACTACAC
82151	AAATGTTAGT	GGAATTTCTA	CAAATCATAG	GCAGGGAGGC	AAATCCGAGT
82201	CCACTGCTTG	GTTGCAGACC	CCCACCTTAT	TCTTCTTCAG	GCTGCCTCTC
82251	TGGGCCCTGT	CATCTTATCA	GGATCTCAGC	TGATCCTTGA	GGGAAGTTAG
82301	TCTTCTGGAC	CTAGATTCCA	GGTGTGACTC	TGGTTTTGGA	TTAAGAAGAC
82351	TCTTTTCCTT	ATAGCCGCAT	TCAGAGTCTT	TCATGCTTCC	CGAAATCACA
82401	GCTCCCAGGC	TTCTTCGCAG	GATGGGTTTG	ATTCTTTTTT	CCTTCCCCAC
82451	CCCCTGCGCC	TCTGAGGTGG	TCTCAGACAA	GGCCTCCATT	TCTCCAGGCC
82501	CCCTCCCCCT	GACACTTTCG	TCCCACGCTC	CCTCTCCCCA	TCTCTTCAC
82551	ACCCTTAAAT	TTCAGGAACG	AGCTTTTATT	CAGTATGACT	TTACAATTAG
82601	TATTGCTTAG	AACAGAAAAC	TAGACTTTTT	TTTTAAATGC	CGATGGCAGT
82651	CTGGAGTACA	GCTAATGTAA	GCTGGTTGGT	GGTTTCTGAG	TTCCAGGGTT
82701	GAAAGTTCCA	GACCAGTGTA	GCAGAGTAGA	CTTTACCCTT	TTTTCTTTTT
82751	TTTTTTCCTT	TCTTATGTTT	TTTAGAGGCA	GGGTCTCGTT	TTCTCACCCA
82801	TGCTGGAATG	CAGTGGCGTG	ATAATAGCTC	ACTGCATCCT	CCAGCCACTG
82851	GACTCAAGTG	ATCCTCCAC	TTTGGCCTCT	CAAAGTGCTG	GTACTACAGG
82901	CACATGCCAC	CATGCCTGGC	TGCTTTATTT	TTTTGTAGAG	TCGGGGTCTC
82951	ACTGTGTTGC	CCAGGCTGGT	CTTGAGTGAT	CTTCCTGCCT	CAGCCAGTCA
83001	GAGTGCTGGG	AATACAGGCA	TGAGCCACCG	AGACTTTACC	CTTTTCAATC
83051	CTGAATTCGT	GGCCCTGTAA	ACAGGCAGCC	GGGGAATAGG	GGAAGGAGGA
83101	AGAGGAAAAA	GCATTTCAGG	AGTCCACATG	TCATGGGCGC	GAGTCTCAGT
83151	TCTGCCCTTT	ACTAGCTGTG	TGACCTATTA	CCAAACACTG	GCCCTCTTCA
83201	AGCCTCAGTT	TTCTTCTCTG	TGAAAATGGG	GATAACAGAG	CTTGCCCTGC
83251	AATGAGCTTA	TGAAACTTGA	ATGAGATAAT	TTATATAAAT	TATAATGTGC
83301	ATAATTTATA	TAAAAGGCCT	TACTTGGTAC	TGGTGATAAG	AGTGATACAT
83351	GTTCAATTTCT	TTCCCTTCATT	TCCTTCTCCT	TCTTTCCTAG	AGAACCAGTA
83401	GGATCTTAGC	AGAGTTTGAA	AAAGGCTAAA	ATCTCTCCTT	TCCCCCTACC
83451	CCTCCAGCC	CAAAACCAGA	GCCCCAGATC	TGTTGTTTTT	CCTCCTGCC
83501	TCATCAGTCC	CAGGTTCCCTA	TCCCTGATCT	CAGCTGGTGT	AGGGAGGAGA
83551	GTGATGTGAT	TCAGCTCTCT	TTAGAGAAAT	AATTCTAAGG	CAACTCTTCC
83601	AGATTTATTC	ATGCTTTTGT	CCAGGACATA	TCTATTAACT	CAAATGGTTG
83651	CGGAATTGGT	AGAAATTCTG	TTATTAAGAC	CAATCAAACC	AATCAAACCTC
83701	TCAAGGAGAA	GGTGGCTTGG	GATCAGGGGT	CATGTTATAT	CAGGGTGAAC
83751	TAGTCATGCT	TGGTGGTCCC	TCCTGGCTGT	TCTGCCTCTT	TCTGCGTCTT
83801	CCCATGGGGC	CCTAATGAGG	AGGCTGCTAA	GTGGGCTGAG	GGCAGCACTT
83851	CCGTGTCATT	GGGGTGGCCT	CTGTTAACAG	TTTTCTTCTT	ATTGAACCTT
83901	CAAAACGATA	GGCCTTTTAA	GCCCTTTCAA	ATGTGCATAA	TGTACTTAAT
83951	TTTTAAAATA	AACTTGTTTT	TTTGGAGTAA	TTTTGAATTT	ATAGAAAAGT
84001	TGCAAAGATA	ATGCTGAGAG	TTCCCATATG	CCCCTTACTC	AGTTTCCCCT
84051	GTTGTTAATG	TGTTACATGA	CCATGGCACA	TTTACCCAG	CTCAGAAGTC
84101	AACATTTGGC	TAGTCCCCCC	ATCCCCCCCA	ACTTTTTTTT	TTTTTTTGAA
84151	ATGGTCTCAC	TCTGTTGCC	AGGCTGGAAT	TCAGTGGTGT	GATCACTGCA
84201	GCCTTGACT	TCCCAGGCTC	ATGGGATCCT	CCCACCTCAG	CCTCATGAGT
84251	AGCTGGGATT	ACAGGCGCAT	GCCACCACGC	CCGGCTAATT	TTTGTAGTTT
84301	TTTGTAGAGA	TGGGGTTTTG	CCACGTTGCT	CAGGCTGGCC	TTGAACTCCT
84351	GCACTCAAGT	GATCCGCCTG	CTTTGGCCTC	CCAAAGTGCT	GAGATCACAG
84401	GCGTGAGCCA	CTGCACCTTG	CGGTTCATTA	CCATTAACCTA	GACTCCACAT
84451	TTTGTTCAGA	TTTCCCTAGT	TTTTCCACTC	ATGTCCATTT	TCTGTCCCAG
84501	GATCTCATCC	AGGAGCCAC	ATTATATGTA	GTCATCGTAT	CTTCTTCGTC
84551	TCCTGCTGTC	TGTGACATGT	TCTCCGTCTT	TCTGTGCTTT	TCTATGGCCT
84601	TGATGTTTTT	GGAGAGTACT	GGTCAGGCAT	TTTGAAGAAA	GGCCTTCAAT
84651	TTGTGTTTGT	CAGATGTTCT	TCTGATGGGT	TATGGGCTTT	GGGGAGGAAG
84701	ACACAGTGTG	TGTCCTCTCT	GACCACCTCT	CATCAGAGGT	ACATGATGCT
84751	GGTGTACCTT	ATTACTGGTG	ATGTTAAATT	TGGGCTCCTG	GCCAGGGTTG
84801	GTTGCTGCCT	CACTGTTCTT	ACTGAAAGGT	GTTTTTTCTC	TTTTTTGTGCA
84851	GCTGTTAAAA	AACCCGCTCC	AGCACCCCG	AAACCGGGCA	ACCCACCTCC
84901	TGGCCACCCC	GGGGGCCAGA	GTTCTTCAGG	AACATCTCAG	CATCCACCCA
84951	GTCTGTCACC	AAAGCCACCC	ACCCGAAGCC	CCTCTCCTCC	CACCCAGCAC
85001	ACGGGCCAGC	CTCCAGGCCA	GCCCTCCGCC	CCCTCCAGC	TCTCAGCACC

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85051 CCGGAGGTAC TCCAGCAGCT TGTCTCCAAT CCAAGCTCCC AATCACCAC
85101 CGCCGCAGCC CCCTACGCAG GCCACGCCAC TGATGCACAC CAAACCCAAT
85151 AGCCAGGGCC CTCCCAACCC CATGGCATTG CCCAGTGAGC ATGGACTTGA
85201 GCAGCCATCT CACACCCCTC CCCAGACTCC AACGCCCCC AGTACTCCGC
85251 CCTAGGAAA ACAGAACCCC AGTCTGCCAG CTCTCAGAC CCTGGCAGGG
85301 GGTAACCCCTG AAAGTGCACA GCCACATGCT GGAACCTTAC CGAGACCGAG
85351 ACCAGTACCA AAGCCAAGGA ACCGGCCCAG CGTGCCCCA CCCCCCAAC
85401 CTCCTGGTGT CCACTCAGCT GGGGACAGCA GCCTCACCAC CACAGCACC
85451 ACAGCTTCCA AGATAGTAAC AGGTAAGTAG GACATCAATG CCCGTATTTT
85501 CTCGTCTGCT CTACATTGCT TTTGTACTAC TACATTTTAT TTAAGCTTTG
85551 ATTTATGCCA GGTGTACAGA AACTACACCC GCAAGCCAAA CCAAACCTGT
85601 CCTGCAGCCA GTTTTTGTCA TTAAAGTTT ATTGGAACAC AGCTACACCC
85651 ATTTGTTAAC ATATTGTCTG TGGCTGCATT GGTGCTGAAA CAGCAGAGCT
85701 GGGTAGTCGT GACCAAAGAT CCTGTGGCCC ACAAAGTTGG AAACATTTAC
85751 TGCTGTGCTC TTTAAGTTTG CCGACCCCTG ACTTATAGTT GCTGTGTGT
85801 TTAAGACCTA TGTACGTTTA CATTTTCTC AACATAATGG CTTTATTCC
85851 AGGTGGAAGG TATTTTACAA CACGAGCATG AACTTTATTT CTTAGTGAAT
85901 TCCTCATTAA AATGCTTAAA CAGTACTTCT AAGAGTAAAA GTGTTTCATAT
85951 TAAGTACAGA ATTTTCAGGTA TAACCTTAAA AAACATGATT TATGCCAAAT
86001 TGAATGCTCC AGAAGGGAGA TCTCAGGGCA CTGTCATGTT CTAATGGCTT
86051 GGGAGGGAAG AATCAAGATT TTCCTGTAGA CCCAGTGGGA ACCTGTTTGG
86101 AAGTGGTGGT GATTGTACAG GTTTTAGTGG GCTACCTAAT GGCATATTTT
86151 TAATAGTCTA GAACATGACC ATTTTATTTA ACATTTCAAG AATATTTCCA
86201 TCCCAATGCT TCTAATTTAT TATTTAATTT AAGGATGAAT ATGGGGGTTT
86251 CTAGTGTGTT TTTAAAAATG GTAATTAGGG GCCTCAAATA ATTTCTTACA
86301 GCAGCCTAGT TTAATTGTTT CTAAGTGGAG GCACCTTCGG AAAAGAAGCT
86351 GAAATACACC TCTGGGCTTT CCAACCATAT TGAGTGACTT TGCAGCTAAA
86401 AATGTGCCAA GGTTCCTATT AACCCAAAGG GTGACGGTTA ACTGATTCTA
86451 ACAGCTTTTG ATAACTTTTT TCAGGAATAT AATACATAAT TTGCACATGT
86501 TATAAATGGT TAATAACTTT TTTTCTGATG CCATCAGAGC TTTTATTTTG
86551 AAAACAACAA AGCCATGTTG GTTTGTTTGT TTTGTTTCCC AATAGATGCC
86601 CTTCTAGTGT CCTCACAGG TGGGGAAGGT TTCCAGGACT AAGGTCTGTA
86651 ATGGCCCCGA GCAGCTTGCC CCATAGCTCG CCCCACAGCT CCAAATGCTC
86701 CTGCTTAGCC GTGTTTTGCA TATGTGCTTT TGACCATGTG CTCAGGAGCA
86751 GCCGTTTGAC CGTGTGCCCT GACAGCCAAT AGGCCATCCA TTCTGTAGCA
86801 TATTGACATT TCTTTATTTT TATCAGAAGC ACTTTGAGCT GCAGTGCTTC
86851 AAATTCGAGG AGTAGATGTC AGTAGATCAA GAGCCTGATT TCAAGCTGCT
86901 CTTGAAGAGT ATCTTCTTTC TTAGGGGCCA AGCACAGTGG CTCGTGCCCTC
86951 TAATCCAGT ACTTTGAGTG GCTGAGGCAA GAGGATTGCT TGAGCTCAGG
87001 AGTTCGAGAC TGCAGTGGGT AGTGATTGTG TCACTGCACA CTGCAGTCCA
87051 GCCTGCATGA CAGAGTGAGA CCCTGCCTCT TTTTAAAAA AAAAAAAAAA
87101 AGGAATATCT TCTATCTTTT TGGTGAGCCT CTTAGCAGCA GTCTACTCTT
87151 CCCAGTGTGA TTTACCTGTC ACTGATGGGC TCACCAGCAT CCAACCAAAG
87201 AGGACCCAGG TGCAGTCAGC ACGGGAGGAA ATTGTGTCCT TTGTGTCTTG
87251 AGCTTTAATT TTAAATTTTT GTATTTTAAG TGCAAGTTAA CTGCATGGAG
87301 CTTCTTAATT TGATATTTTA AATTCTCAAG ACCAAAAAAT TAAAAAAT
87351 CTTCCGCCAA ATACCCTACA CTGAATTATT TTAAATTCCT TTGCATCCTA
87401 GCATGCTTAC GTTTTGCTTT ATTAACCAT ATGAGCTTTT TAAAGGCAC
87451 TGTGAGCTCA TCTAAGTCTG CCGCTGGGTC TACATGTGGA CAGCATAAGG
87501 CCCTCATCAT ATGTACAGCT GCTTTAATCA GCTGGCCTGA GCCTTAGGCC
87551 TACTGTGGGC CCCTTAGCCA GAGTGCTCAC AGCTTAGGTC TGAGTAAGAC
87601 TTTCTGTAGG AACCGTAAGT GGAAAACAG AGTGTAGCCT TCAAAACAGG
87651 GAGGAGGCC GGTGCGATT CCACAATTC ATGCTTGTGA CACACCAAAA
87701 TGTTATTATC AGATATTTCC TTTTATTTAA ATGAAAGATT GCAAACCAGA
87751 ATTATGCCTA TTTTAAATA CCATTGTTAC CCGGGGTGTA TTTATTCAC
87801 AAGTTTAGTT TACTGATCTG CTACAACACT GTAATATACT GCCTGTAATT
87851 ATTAGATAAG TGAAATTTTA CATTAAAAAT GTGTTTCCCG AAGATACTAG
87901 CTATTTAAAA ACCGGTCTAT GCTATGAATT CTCCTAATC AAGAAATTC
87951 AGGTTACCAG AGTTATCTTT GTATTACAGA ATTAACCTGT ACTATCTTAA
88001 AATCCCCTGG CCTCCCACTG AAAGTACACA GAAGGCCAAC ATTTAGAATT
88051 TTTTAATCTG CTAGTATTGA TCATACTGCT ATTAACCATT CTTGGATGTA
88101 GCCATTGGGT TTTTCAAGGA GGAAAAATA TATAACTTCC TTGGACAGGA
88151 TGGTCCTTTA TTATGACATA ATGTTTTTCAC TTAGAAACT TTAGATGGAC

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88201 AAATTCCTGA AAACAGGTTA TTCCTTTAGA ATTGGATTAA GTTAGAGTTT
88251 TAAAGAGTTG GGTAAAGGCT AATGGGATTA AGATAAACTC TTGGGGGGAG
88301 ATTATTGCTG CCAAGCAGGT TTGGCAGCCA ACTTCTCACA GCTCAGCACC
88351 AGCACTGGAG GATGCCGGCA TTCTGGCATC ATTTTGAGTC TCCTGTTAAT
88401 TGTGACTTCA GAGAGCAGTA AGAGTTTAA TTCCCATGTA AAAGAGTTTA
88451 CATCTTGCTA TTTTGAAGT AATAGATTTT AGCAAAGAGT ATTCTAATTT
88501 AAACATTTTA TTAAATAATT TAGATGTATG ACCTGCCATA TTCAGTAAGA
88551 ACTGAGATTG GAATATTTAA TGGTAAGGAA AAGGCACCTG ATTGGCCAAT
88601 GCATTTTTGC TACTTGATGA TCATATTTGT GCACTCATGC CTGTTACTAA
88651 CTGGCCACCC TAACCCTGCC TGCTTGCAATC CTTACTAATA GTGCATGCAC
88701 TGAAGGAGGA CTGGCTTTGT TGATGCTTGC TGCAATGATT CGGAATACTA
88751 AGTGTGTACT CAGATGTGGA ACAGGTGGTC ACAGGGCTGT CCTTGTTACT
88801 TCTTTAATTT CCATTCTTTT CCATATCAGG CAAGCTTGAG GTATAGTAGG
88851 AAGAACACAC ATTATGGAGT CAGACCTGAC TGAGTTAGAA TTTCAGCTCT
88901 TGGTATAACA TAGGCTAGGC ACAACCTGGC TGATCTGTAA AGTGGTGACA
88951 TCTGTCTAAA TTGTTGAAGA TGAAATAAGA GAAAGTCCAA GATTATTCTG
89001 TTAGCCAGTT ACAGTTCTTA ATATACGCGC AATCTCGGCT CACTGCAAGC
89051 TCCGCCTCCC AGGTTCAAGC AATTCTCCTG CCTCAGCCTC CTGAGTACCT
89101 GGGATTATAG GCGCCTGCCA CCACATCTGG CTATTTTTTT TATTTTTAGT
89151 AGAGACGGGG TTCCACCATG TTGGCCAGGC TGGTCTCGAA CTCCTGACCT
89201 TAGGTGATCC GGCCTCCTCA GCCTCCCAA GTGCTGGGAT TATAGGTGTG
89251 AGCCATTGTG CCTGGCCTGC TATTTATCAT TTTTATCTAG AAGAAAATAG
89301 TTTTAATCAG ATTTCTATGT TAGATTCAACA TATCAGGGTT TTA AAAA CTCTC
89351 ATACGCCCCG ACCCGGCCTT CTAGGACCCA AACACAGGAG ACTGGGGGTG
89401 GAACCCAGGT ATCCATATTT TGATTCTGAT GCACCACTTG GTTTTTTGAA
89451 TCTCACTTCT TTCATGGGTT AAAAAGACAA TGCTCTGCAG AAGGAGATAA
89501 CATATACATT CATATAATTT AGTGAGCCTG AGACTGTCTG TGAGGCGTTA
89551 GTCCACTGTA CCACAGATAG ACCAAATCAC TCACAAAGTA GCCATAAGCC
89601 TGGACACTTT GCTGGCTAAT TTCATAGTGT TTGCTTTTTA AACTCTCACC
89651 CTTCTTATGT CATGTAAGTA ATGCCTTTTT AAAAATAAGC ATGAGCTGGG
89701 GCACGGTGGC TCACGCCTGT AATCCCAGCA CTTTGGGAGG CTGAGGCGGG
89751 TGGATCACTT GAGGTCAGGA GTTCAAGACC AGCCTGGCCA ACATGGGGAA
89801 ACCCCATCTC TACTGAAAT ACAAAAAGTT AGCTGGGTGT CGTGGTGGGT
89851 GCCTGTAATC CCAGCTACTT GGGGAGGCCA AGGCAGGAGA ACTGCTTGAA
89901 CCCAGGAGGT GGAGGTCGCA GTGAGCTGAG ATCGTGCCAC TACACTCCAG
89951 CCTGGGTGAC AGAGTGAGAC TCTGTCTCAA ATAAATAAAA ATAAGCATGG
90001 ATATTA AAAAC TCTTGAGAAA TGGAAATAAT AAGAAATCAA CTGTAGCTAT
90051 ACAATTGAAA AGCTCTGCCA TTTATATTCT ACTTTTTTTC TTTTCTCCTC
90101 TTCTCTTCTC TTCTCTTTTC TTTTCTTTT TTTTCTTTT TTTTCTCAG
90151 ACGGAGTCTC ACTCTGTTCC CCAGGCTGGA GTGCAGTGGC ACGATCTTGG
90201 CTCCTGCAA GCTCCGCCTC CTGGGTTTAC ACCATTCTTC TGCCCTAGCC
90251 TCCCCAGTAG CTGGGACTAC AGGCGCCAC CACCACGCCC AGCTAATTTT
90301 TTGTATTTTT AGTAGAGACA GGGTTTACC ATGTTAGCCA AGATGGTCTC
90351 GATCTGCTGA CCTTGTGATC TGCCCGTCTC GGCCTCCAA AGTGCTGGGA
90401 TTACAGGCGT GAGCCACCAC ACCCGCCCT TTTTTCTTT TAGTTTTTCT
90451 AGAAGGCAAG GAGGTACATG AGCATAATTA TTTGACATAG ACAGATTGG
90501 ATCCTTTTAT TTCCTTTTAC ATCATATGCT CGTTCTCATG TGATAATGTA
90551 ATTTT TAGAA CCATGTTTT CAGTGACTAC ATAATGTTT ATCAACCAGA
90601 TGTATTATTA CTCCTAGTTG GATATTTAAG TGGCTTCTGT TTCTACTTGC
90651 AGTTTATTTT TAATAAGTAG ATAATCAGAA TTGTGTCAAG ATAACATCCA
90701 GTGAGACTTG AACAGAATCA CTCCTGAATA GTTGACTCAG AGTCTCTAAT
90751 AGCCCTAGAA AACTGACGAG AAATCATCAG TTCCTGATAA AATTACACAA
90801 TTCTACTTCA ACCAAAGAGG ATCAAAGCCA GATTGGTTGG ACTGTCATTC
90851 TTCTGTTTAT TTATTTTGTG TATTTTTTGA GACAGAGTCT TGCTCTGTCA
90901 CCCAGGCTGG AGTGCACTGG TGCAATCTTG GCACACGGCA ACCCTGCCT
90951 TCCTGGTTTA AGCAGTTCTC TTGCCTCAGC CTCCCAAGTA GCTGGGATTA
91001 TAGGCAGGTG TGGCAACACC TGGCTGATTT TTGTATTTT AGTAGAGACA
91051 GGGTTTGGC ATATTGGCCA GGCTGGTCTC CAACTCATGA CTTCAAGTGA
91101 TCCACTCACT TCTGCCTCCC AAAGTGCTAG GATTACAGGC ATGAGCCACC
91151 GCACCTGGCC CCATCATTTT TAATCACCCCT AACATTTTCC CTCTTTCCCA
91201 AAAGAGTTGT GTATATCCTT GGGTGAGGAT CCTGAAAGTG AAGACATTAT
91251 CTGAGGAAAT AATGGTTTGG GTCTTAAACA CTCTGGTTAG AGCTAAGTTT
91301 ATATGACAGG TATTACATTG TAAAAAGGAG AAAAAGGTTA TTTTAGAAAG

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91351 ACACCTGTTA GAACCTGCTT TTTTTTTTAT TTTTTTTTAT TTTTGAGACT
 91401 GAGTCTTACC CCGTTGCTCA GAATGGAATG CAGTGGTGCG ATCTCAGCTC
 91451 ACTGTGACCT CCACCTCCCA GGTTCAAGCG ATTCTCCTGC CTCAGCCTCC
 91501 TGAGTAGCTG GGATTACAGG CACTCACTAC CGTGCTCGGC TAATTTTGT
 91551 ATTTTGTAGT TAGACGGGTG TTCACCATGT TGGCCAGGCT GGTCTTGAAC
 91601 TCCTGACCTC AGGTGATCTG CCTGCCCTCGG CCTCCCAAAG TGCTGGGATT
 91651 ACAGGCATGA GCTACCACAC CCAGCCAGAA CCTGCTTTCT AAAAGCACCC
 91701 TAAACCTCTT TGGTTGTGAA TTTATATATT CTCTGCCTTC CAAGGGCTGG
 91751 TCTTTGAGGA TATTGCTTGG AACTAAGTTC ATACAGTAGA TATTTTATTT
 91801 AAAAAAAAAA AAAACAGAAA AGAGACCTCC AATAAAAGGT TTCTTTTTTG
 91851 TCTGATTTTT TGCTTTTTTT TAATTTTGAA ATATAATACT TGTCATATAA
 91901 ACTTAGCTCC AAGCAGTATG CTCAAAGACC AGCCCTTCTT GGAATGCAAA
 91951 TAATATATAA ATTATAGACC AGAGACGTTT AGAGGTGTTT AAAGAAAACC
 92001 AGGTTCTTAC AAGTGTCTTT CTAAAATAAC CTTTATCTCT TTTTACAAC
 92051 AATCAACCAG AGTGTTTAAG ACTCAAACCG TTCCTGGTG AAGGAAGGCA
 92101 TTCCCTGAGA CTCTAGGTCT GAGAAGAGGG ATGGGTGGTG GAGAGGGGGA
 92151 GGGAGTTTAT TCGCCCTGCA GTTGTGCCTG CACCACTTAC TTTCAAGGGC
 92201 ATATTTGGAT CTGTTACTTG TCAAAGTGGC TATCAGAATC ACCTTGGACT
 92251 TCTTGAAGGG TGAGTTCACA ACCGAGAAAG CACATATTCA AAATGTGGA
 92301 AGTAATAAGT AAATCTTCTA GAACCTTACC CTCAGTGATA ACATTCCACT
 92351 TCTAGCTCTT AAATACCCAC TTCTGTTTCC TGGATGAGAT ACTCAGTGCA
 92401 GGAAGGAACC TGGGTTACAT TTGTGAGAGC CCCAAATCTG AGATGAACTG
 92451 TATCAAGTTC TGCCCTTTGGG CTGAGGCTGG TTACTGGAGG TCATCCTCTG
 92501 TTTCTCTCTT TTTTTTTTTT TTTTTTTTTT AAAAAAGAG AGACAGGGTC
 92551 TTGCTCTGTT GCCCAGGCTA GAGTGCAGCG GTGTGATTCC AGTCCACTGC
 92601 AGCCTTGACC TGCTTGGGCT CAAGCGAATC TCCCAAGTAG CTGGAAGGTG
 92651 GAACTAGAGG CATGCACCAC CACACCCGGC TAATTTTGT GTTTTTCTTA
 92701 TAGAGACGGA GTCTCATGTT GCCCTGGGCT GGTCTCGAAC TTCTGGGCTC
 92751 ACACCATCAT CCCACCACGC CCAGCCTATT TTGTTTTTTT AAATACAATA
 92801 TCTTTTGTAT GAACCTAGCT CCAAGCATAT GCTCAGAAAC CAGCCCTTCT
 92851 TGGAGTGCAG TTAATATACG AGTTCATAGC CAGAAAGATT TAGAGGTGTT
 92901 TCAGACAAAC CAGGTCTTTA CAGGTGTCTT TCTGAAATAA CCATTTTCTC
 92951 CTTTTTACAA CAAACCAGAG TGTGTGTAAG ACTGAAACAA TGATCTTGGA
 93001 TAATGTCTTT GAAGGCCCTC ACCCAGGGAT TTACAGACTC CTCTGGGGAG
 93051 GAGGGAAAT GTAAATGCGAA GAGCCAGAGT GCAACCAATC TGGCTTTGAT
 93101 CCTCTTTGGT CCACACTGGC TGTGTACCT TGGGCAAGGA ATAGAGCCTC
 93151 TGAGTCTCCC TTTCTTATTT CTGCTGCCTT AGGATTAGTT AGTGGGGGTT
 93201 CAGTGAGACG ATGTAATAAA GTGTGGGTGT ATAGTACAGT CTCTGGTGTA
 93251 AGTAAGTGCT CTATAGTAAT GTCAGCTACT GAGGCTGGGT GTGGTGGCTC
 93301 ATGCTGGTAA TCCCAGCACT TTGGGGAGCC GAGGTGGGAG GATTGCTTGA
 93351 GGCCAGGAGT TCAAGACCAG CCCAGTCAAC ATGGTGAAAC CTTGTCTCTA
 93401 CCAAAAATAA AAAAAATTAG CCAGGCATGG TGGCGTATGC TTGTAGTCTT
 93451 AGCTACTCGG GAGGCTGAGG TGGGAGGATC AGTTGAGCCC AGGAGGTGGA
 93501 GGCTGCAGTG AGCTGAGATT GCACGACTGC ACTCCAGCCT GGGCAAAAGA
 93551 GCAAGACCCC ATCTCAAAAA AAAAAATTTT TTTTTTAATG TTAGCTACTG
 93601 TGATGAAGTC TCTTCTGAA AACTGGTTCT GTACAGGTG CCGTAATCT
 93651 TTCTACTTTT TGTGTGTAAA CAAAGTCATT GTTCTTTCA GGGACTGATT
 93701 CATGTAGGAA TAGAGAGGGG CTGGGGAAAC CAGATGGGGC AGGTGGGCGG
 93751 CAGAGTAAGG GATTTCTTTT ATGCCCCAAA ACACATTTT TCCCCTTGAA
 93801 TTAATAATGT GTGTGGATCA TAAATAGAAA AATTGAGAGA GGCACAAATC
 93851 TAAAAATTAT GTATATGTGA TGTATAAGAA AAAGAGAGCA GCTGTGGAGG
 93901 GGCTTGGTGG CTGATAGGCG TTAGCTTGCA TGTGAATACA GATATTAACA
 93951 AGTAGAAATC TCATCCGTAT ACACAGTGCC TTTGCATCAT GCATTCCCCG
 94001 CCAAGTCATG TCGGTTCAT AGTTTCTGGT AAATCTGGG CTGAGAAGAG
 94051 ACACGGGCTG GTAGCCCCTT CTGTTTTTGG GGGCCAAGAT AATGGGGAAA
 94101 GGATTGCATT TGCACTGATT TTCTTATACG TCGTCTTCAA GTCACAGCTA
 94151 CTTCTTTGCC TGAGGATGTA AGAATGGAGG ATTGGAAGA TGTTGTCTCT
 94201 AGATGACTCT TCATGCATCC ATCCAACCAT CCAAGTGTGC AGCTACAAAA
 94251 TTTCTTGAAC ATCTGCTATT TGCCGGTCAC TGTTTTAGGT ACTGAGGATA
 94301 CACTGTGAAC AAGACAGACA CAGTCCCTGC CTTCGTTGAC TTCTGTTCTG
 94351 CTTAGGACAA ATCCAAGACA GCCCCTATTC TGTGCATACA GACCACCTTT
 94401 GGCTGCACCA TAGGCTGGTG CAGTCTGCA CAGTGTCACT GGTTTTATAG
 94451 TTATCACAAG ACCTGAATTG TCTGAAATGA CATTGAGCAC CTGAACTCTT

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94501 TGACACTTTG GCACCTCCAT AAATCTAGAA ATTTCTCTGA GTTGTGGTGC
 94551 ATAGGAAACC TTGAGGGACA ACCCAGGAGT AACTGTGAGA AAAAGGGTGT
 94601 CCCAGGGAGT AAATAGATCT CACAGCTCAG AACTGTAGGG ACAGGAAGGT
 94651 GGAAGGGGTA GGAGCTGGAA CAAGTCTCCA AGCAGTGAGC TCCCCAAAG
 94701 TGCACCAGCG TTTTCAAGCT GTGCCGTGCGT AGACGGGAGC AGGTCTGAACA
 94751 GAAATATAGT CAAAAC TAGC TCCCGTCAAG GACAGACAGG ATGTCATTTT
 94801 GCACCACAGC AAGTAGGGGA AAGCAGCTCT CAAGCCTAAC TGTGAAACGC
 94851 CCCCACAAAC CACCTCCTCC TCCCACTCCC TCACTGCTGC CTGCCATGGC
 94901 TACCTCTAAC GCAGCAAAGC AAAACTACAA AACATCTCTC TTCTCTCTTA
 94951 CACCAGCCCT AAAATACCTA ATGAGGCTCT CATAATTTGC CAGAACCCAC
 95001 ATCTACGAGA GAAGCCAGCC CTTTTGTCTT AATTAGGATC CCCTTGGTCT
 95051 GCCCACTTGA CCGTGGGCTT CATTGAGGCT GTGCCGTGCT TGTTCAGTGC
 95101 TCGCTCCTCA GCAGGTAGAA TGGTGCCTGG CACCTGGGAG GTGCTCAGTA
 95151 AATATTTGTT CATGCATAAA TGAATCTGAG ACCCACTGGC CTCTGGGAAG
 95201 AGCATAGGAG AGGGGGACAA CAGCATGAGG ACCATATGTT TGCCATCTTG
 95251 CTGAAGGAAT TTCAGCCAAC ATAATAAGAC ATGAAAATGG CATTCGAGGT
 95301 GTATTAGACA GACAAGGGGA TGTTAGTGTT TGCAGGAGAC TTGGTCTGCC
 95351 TCAGTGATGT CAGTCAGCAG TGATTGTGAT TCCCCAGGGG ACACTCGGCA
 95401 GCATCTGGAG ACATTTTAGT TTAAACTTCC CCAGTGATCT GTGATGTACA
 95451 GGAGACACTT TCGGTTGTCA CACTGGGGGA GGAGGCTGCA TGTCACTGGC
 95501 ATCTGTTGGG TGACACCTAC AATGCACAGG ACAACCACAA CAAATAATTC
 95551 AGGCCCAAAT GTTGCTGGTG CTGAGGGTGA GGTCTTAGTG TTAGTAACAG
 95601 GAGGAAAACC CAGCAGTCTG GAGGAGAGAC CTCTCCCAG GGCAGCCCAG
 95651 GGGCCATCAG GAGGGTTCAT CTCATGCATT AGAGGTCTTG GGAAGAATGA
 95701 GGCTTCCTTT CCTCCATCAA AGCAAGCAA TCCTTTAAAA GCTGCATCTC
 95751 CAAGGGCTGC TCCGGGCTCA TAGCAAGCAA CGTCGGAGCC CAGAGGCAAG
 95801 GCTGTGCTAC TCAGCTGCCC TCTGGGGTCA CAAAGGCTTC ACTTGGCTTC
 95851 TAAGAGCTGA TGAGGCCTCT CGCAAGGGAC CCTGTGTGCA TGGGCTGACC
 95901 CTGAAACTTC CCAGCCTCTC TTCTTCTCAG AGCACCTCA GGTGGCCTCT
 95951 CGGGGGTTAC CCCTCATTGA TACCATGTCT CCTCGTGTTT TTGTCCAGAC
 96001 TCCAATTCCA GGGTTTCAGA ACCGCATCGC AGCATCTTTC CTGAAATGCA
 96051 CTGAGACTCA GCCAGCAAAG ACGTGCCTGG CCGCATCCTG CTGGATATAG
 96101 ACAATGATAC CGAGAGCACT GCCCTGTGAA GAAAGCCCTT TCCCAGCCCT
 96151 CCACCACTTC CACCCTGGCG AGTGGAGCAG GGGCAGGCGA ACCTCTTCT
 96201 TTGCAGACCG AACAGTGAAG AGCTTTCAGT GGAGGACAAA GGAGGGCCTC
 96251 ACTGTGCGGG ACCTGGCCTT CTGCACGGCC CAAGGAGAAC CTGGAGGCCA
 96301 CCACTAAAGC TGAATGACCT GTGTCTTGAA GAAGTTGGCT TTCTTTACAT
 96351 GGGAAAGGAAA TCATGCCAAA AAAATCCAAA ACAAAGAAGT ACCTGGAGTG
 96401 GAGAGAGTAT TCCTGCTGAA ACGCGCATAG GAAGCTTTTG TCCCTGCTGT
 96451 TAATGCGGGC AGCACCTACA GCAACTTGGA ATGAGTAAGA AGCAGTGCCT
 96501 TAACTATCTA TTTAATAAAA TGCGCTCATT ATGCAAGTCG CCTACTCTCT
 96551 GCTACCTGGA CGTTCATTCT TATGTATTAG GAGGGAGGCT GCGCTCCTTC
 96601 AGACTTGCTG CAGAATCATT TTGTATCATG TATGGTCTGT GTCTCCCCAG
 96651 TCCCCCTCAGA ACCATGCCCA TGGATGGTGA CTGCTGGCTC TGTACCTCA
 96701 TCAAACTGGA TGTGACCCAT GCGCCTCGT TGGATTGTCG GAATGTAGAC
 96751 AGAAATGTAC TGTCTTTTTT TTTTTTTTTA AACAATGTAA TTGCTACTTG
 96801 ATAAGGACCG AACATTATTC TAGTTTCATG TTTAATTGTA ATTAAATATA
 96851 TTCTGTGGTT TATATGAAAA CTTCATAATT CTTGGAGGTA AATTGTGGAG
 96901 TGTGTGTGTG TGTGTGTGCA TGAGTGTGTG TGTGTTGCCA CTCAACCAGA
 96951 TAGAATTGTG GCTGGGACAT CTTGGGGGAG AGGGTCTAAT TGTAGCTGTA
 97001 GGAGTTTGAA GAAACAGAGA GCAAGGTCGC AACAGTGAAG AAGGCCGCCA
 97051 GGTGCCCCAA AGACCTCCTA GCCTGGCCAT CCTCAGTGCA GGTTCTGGTC
 97101 AAGGCTGCAC CCTTGGTCTT CCCAGTGCTG GCATCCCTTT CTTTCCATCT
 97151 AGAGATACTC AGACTCCCGG GGGCAGCTCA CAGGAGTTCA GCCCCACCGG
 97201 GTTGGTGCAT TCGTCAGCAG TTGTGAATTG CCATAGAGAG CCCTTTTTC
 97251 AATGGCTGGT GCTTTTCATG CCTATCCAAG GCGTGAAAAT TATCCCGTCT
 97301 CTCCCAGGAT TGAATACTA GGAAGAGGCC GATGGGGAAT TGGAGCAAAG
 97351 CGAGACTGAG GCTCTGGACA GCTGGTCTGA CGATAGCACG ACCCCTTGGC
 97401 CCAGATAAGG CCGTTTTCTC TTGGGAACAG AGTGGGACAC GCTGCCAGAG
 97451 TTGGCTGCCC TGAGCCTTCT ATTGATCGAG TTTGCTAGGT GTGTCAGTGT
 97501 CTAAGTCACT GCCTAGAAGA CACTGGGCCT CTTTCCACTA CGAACTGACT
 97551 TAAGCCTGAT TTA AAAAGGG GAACACAGT TTCCTTTTGT TGTTTTTTTG
 97601 AAACAGATCT CACTCTGTGG CCCAGGCTGG AGTGCAGTGG CACAATCATA

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97651 ACTCACTGCA GCCTCCAAAC TCCTAGGCTC AAATGATCCT CCCAACTCAG
 97701 CCTCCCAAGT AGCTGAGACT ACAGGTGCAT GGCAATACAC CCAACTAATT
 97751 TTTAAATATT TTTTCTTCTA GAGACAGGGA TCTTGCTGTG TTGCCCAGGC
 97801 TGGTCTTACA ATTCTGGCCT CACGCAATCC TCCCACTTCA GCCTCCGAAA
 97851 GTGCTGGGAT TACAGGCGTG AGCCACCATG CCCAGCCCAC ATTTTCATCT
 97901 TTACTCAGTT TCCTATGCCC TCAAAGTACT CCCTATACTT ATTAATTACC
 97951 TTCAAAATAT GCTCCTGTAA GCCCATTGTC TCCCATATCT TGAATTTTCA
 98001 TTGGCTTAAG GCTCACTCTT CCCCTGTGCC ACCTGTGTAT TGTTAATTTT
 98051 CTATACCCTC CTTTAGCCAC AGAACAAACC CTGCAGAGAA AGAATCCTCT
 98101 GTGTGGGCTG ATGCTCCATG TTGAGCACCT TCTCCAGGCG CCTGGCTGTC
 98151 CACGGTCAGG TGTCTCCATG GAGCCTCGGA GATGCTCCCA TCGTGATGCC
 98201 TGAGCTTGTC TCCAGAGGA AGCAGGGACT TGGGCGCTTG TCAAGGAGAT
 98251 GCTGTTGGCA CCTGGGGATG AGAAACATCC ATGCTGACAT CCTGCCCAGC
 98301 ATATAGCATG TGTTTCATCAT TGCTGATTCT GAAATACAGC AAACCATAACC
 98351 TCATTATTTT AAGAGCCTCA TTCAGTTTTT ACTCTCCTAT TGTTTGACAG
 98401 AATCTTCCTA CCCTGACAGC TGCAAACCTC AAAACAATGA AAGTCATTTG
 98451 ACTCTGTGTA TGTGTCAAAG GTAAAGACCA CACTTTGGGA GGCCGAGGCG
 98501 GGCAGATCAC TTGATGTCAG GAGTTCAAGA CCAGCCTGGT CAACATGGTG
 98551 AGACCCCATG TCTACTAAAG ATACAAAAAA TTAACCTGGC ATCGTGGTGG
 98601 GTGCCAGTAA TCCCAGCTAC TTAGGAGGCT GAGACAGGAT AATCACTTGA
 98651 ACCTGGGTGA CAGAGACTAC AGTGAGCCCA GATCAAGCCA GTGCACTCCA
 98701 GCCTGGGCAA CAAAGTGAGA CTCTGTCTCA AAAAAACAA AAACAAAAAA
 98751 AATCCAGAAC TGTCTAGGGT GGGATACATG GCTGAGCATC CCACCGGCAG
 98801 GGCCAGGAGA GGCACCTGGA TCCTCTTTCC CGTTCTGTGG CCCGGGATTG
 98851 CTTCTGCTGG AGGCG

FEATURES:

Start: 2100
 Exon: 2100-2152
 Intron: 2153-38363
 Exon: 38364-38403
 Intron: 38404-40049
 Exon: 40050-40154
 Intron: 40155-46788
 Exon: 46789-46862
 Intron: 46863-48596
 Exon: 48597-48708
 Intron: 48709-48941
 Exon: 48942-49018
 Intron: 49019-53062
 Exon: 53063-53174
 Intron: 53175-56271
 Exon: 56272-56340
 Intron: 56341-56498
 Exon: 56499-56580
 Intron: 56581-61520
 Exon: 61521-61648
 Intron: 61649-63208
 Exon: 63209-63320
 Intron: 63321-63880
 Exon: 63881-63962
 Intron: 63963-66766
 Exon: 66767-66847
 Intron: 66848-68655
 Exon: 68656-68769
 Intron: 68770-72389
 Exon: 72390-72481
 Intron: 72482-74107
 Exon: 74108-74264

[illegible]

Chromosome 16

Chromosome 16